Sorgo Cepartment.

The Rural World is the only journal in the United States having a special department devoted to syrup and sugar making

The Cane Mill Controversy.

COL. COLMAN: In continuing his on slaught in the RURAL of June 9th, Mr. Hedges does not deny (because he cannot) the masters for whom he works and the dark methods he has been privately using for months past to injure us, as revealed in his former communications. His failure to deny it under the circumstances amounts to a full admission, his hypocritical pretense that his attack on us was for the public ben-It has resulted in public benefit by showupon his opinions and statements where his private interests or those of his emnot otherwise have heard of them. But that was far from his intention. His object in commencing the attack was to his own sales; but the thing has not worked as he expected it would. He took a larger contract, when he under-

We cannot reconcile the two letters of Mr. Burns any more than Hedges city, weights, &c., we did not change can but would say in reference to the our stereotype plates each year to keep last letter that it contains some compliments for our mills that Hedges probably overlooked, or he would not have published it. Burns says that he ran our "Croncher" with a steam engine for 5 years, and finally broke it by letting a list now contains eighty-one sizes, and piece of wood fall into it while grinding. Now, our "Croncher" mill is a horse mill, not adapted nor intended for steam, and never recommended nor sold by us as a nything wrong about this? steam mill. That Burns could run it five years by steam, without the springs, as a rigid mill, on Louisiana cane, without breakage, and only broke it finally by attempting to grind a block of wood, is a stronger testimonial than Hedges is a stronger testimonial than Hedges can bring for any of his horse mills. Is it not remarkable that Hedges and his fraternity, in all their frantic and professed searches, have not been able to gitimate work, but the two or three cases of breakage they have been greatly improved in the last twenty years, and that improves eas of breakage they have been able to dig up from the lapse of years were produced in the synup. This is often should be shrouded with a wire screen to prevent flies or trash that is often flying about from being incorporated in the syrup. This is often synup as to materially in the last twenty years, and that improves that, the boiling of green juice is, the death of it. It is not the lime altogethed at the color of the juice, that few know anything about. We would merely remark your valuable paper) in reply to several in syrup as to materially in the last twenty years, and that improves and replaced without taking the mill spart. The journal boxes of your Rural readers and friends, it is not the lime altogethed at the color of the juice, that few know anything about. We would merely remark your valuable paper) in reply to several in the syrup. This is often flying about from being incorporated in the syrup. This is often flying about from being incorporated in the syrup. This is often flying about from being incorporated in the syrup. This is often flying about from being incorporated in the syrup. This is often flying about from being incorporated in the syrup. This is often flying about from being incorporated in the syrup. This is often flying about from being incorporated in the syrup. The syrup is a flie of the first have never being and friends, being first have been greatly improved in the first Howe machine; that deaders of your Rural readers and friends, and prevalent in syrup as to materially in the last twenty years, and that improve and replaced without taking the mill spart. The journal boxes of you by attempting to grind a block of wood, blocks of wood? Hedges has thus unwittingly given our mills astronger testimonial than can be produced for anytimonial than can be produced for anyother mills made in this country. If
we should choose to use his kind of tactics and search for broken mills of the
tics and search for broken mills of the solution that
the positive fact; take one or two fresh,
healthy canes, peel off with your pocka continuous flow, and if the former, the
the positive fact; take one or two fresh,
healthy canes, peel off with your pocka continuous flow, and if the former, the
the positive fact; take one or two fresh,
syrup is from a strike pan of backers or two fresh,
the positive fa kind he sells, we could find plenty of them, both horse and steam mills, that broke down in legitimate work. We have quite a long list of them now that graph and telephone have come into the lime will discolor; try it by boiling strike of 40 gallons in five or six min-

consider the mill he sells a fraud, for every one he can name who considers our mills a fraud. Moreover, he has read the testimonials of planters in favor of our mills. His assertion, if true, would

a steam mill in any sense and was never advertised nor sold by us as a steam mill, but is a horse mill with sweep cap but a \$15,000 one, and ample facilities are required, to be to be successful for horses; and he would have seen that for making them. If he will come soon with them. Good heavy copper pans we will show him on the stocks, and (plain sheet-bottom) with wooden sides, there was no contradiction whatever in our assertions. Did he see this or did he intentionally try to mislead his read-

ly troubled because an old catalogue of season when the rush for the home ours states that we made 30 sizes of trade is over, we hope to be able to fit will not go down with your readers. mills, while a later catalogue states that show him a \$40,000 set of sugar ma-It has resulted in public benefit by show-ing how much reliance is to be placed true or else that the bulk of our patterns Perhaps our factory may not equal his were made within a year or two. But it simply proves that he did not know what he was writing about. The facts are these: we have made new patterns are these: we have made new patterns are these in the facts are the second are the ployers are concerned, and by calling are these: we have made new patterns attention to the merits of our mills and added to our sizes and styles to meet inducing many to buy them who would not otherwise have heard of them. But demand our mills, and to embody the various improvements which we are constantly making every year since 1871 when we entered into the tropical trade. check the sale of our mills and increase Our catalogues are printed from stereotyped pages as we issue very large editions of them in several languages. took to kill our mills, than he can carry of our sizes increase from year to year, but as we always endeavor to understate, rather than overstate sizes, capaup with our increased number of sizes—but when we issued a new and enlarged catalogue and made new plates for it we stated the number of sizes we then made, which was over seventy. But that Hedges may be fully informed on this subject we will state that our not yet on our list, and we expect to in-

> Hedges wants to know "if the mills you now advertise have all been devised in recent years, what security has the public that these experiments are better than the first." We reply, the same security that they have that the

Niles mill roller that broke down in the midst of work last year, and hindered its owners nearly a month, and it is just eleven-sixteenths of an inch thick. If the rest of the mill is in the same proportion how much does it probably weigh, and how will its actual weight.

The Peper Tobacco Warehouse Co. J. N. Orouch Manager, reports to the Ruanting good price at those large works havenous work last year, and hindered ing centrifugals and vacuum pans. I cop, and any items about putting up mills, for the manufacture of sugar and sirup, in, from the defecating box or pans (if such by samples, after polarizing to find proportion how much does it probably weigh, and how will its actual weight.

The Peper Tobacco Warehouse Co. J. N. Orouch Manager, reports to the Ruanting of the proposets of the doubt our refineries will buy. Those who are cultivating sorgo this year, deliveries, 268; Sales 131 hhos. Market still its value. I trust this will answer the ought to be considerably in advance of what proportion how much does it probably weigh, and how will its actual weight.

A. HEDGES.

sas, and then other steam mills for va-rious parts of the world, later in the send us a responsible order for anything in our catalogue, and watch the

GEO. L. SQUIER & BRO. Buffalo, June 18th 1881.

Letter from J. Billington. this progressive age, while Hedges is living in the past and trying to sell mills that the old Niles Co., devised There is no use to dispute or doubt this will depend upon whether the flow of nuated machines. Mr. Hedges, a great many things have happened in the last forty years. Railroads have supplanted the old-fashioned stage coach, the telement of the rind, put a drop or two of the milk of lime to it, and see how much feet long and 1 foot wide, drawing a feet long and 1 foot wide, drawing a them, floth noise and steam mills, that however upon a variety series. Railroads have sumplanted being and we will furnish in the line its if provid. Where have you have a series of the series of th

make every one of these men liars. He made the assertion knowing it to be false.

He is just as lame in trying to prove that we have made untruthful statements. For instance, he attempts to show that we have contradicted our escale in constance, and in saying a good, pure, colorless syrup is wanted to the times?

Possibly Hedges may have conceit or sold our "croncher" mill, and in saying May 27th that all he sold in the shape of steam mills was two or three of those old "leviathan" sorghum mills. If he wisit we will show him had referred to our catalogue he would had referred to our catalogue he compare with its published weight? Is it any wonder that such mills break? Its there not plenty of room for improvement in them to bring them up to the times?

Letter from John B. Thoms.

Col. Colman: We have many inquible a subscriber of your paper of gaining in the expressibly Hedges may have considered assert to be refined after.

Possibly Hedges may have considered assert to be refined after.

Possibly Hedges may have considered assert to be refined after.

The subscriber of your paper of May 19th and place of the properties of the express purpose of gaining in the expression of the expression o (plain sheet-bottom) with wooden sides, cost more it is true, but they are cheapest in the end, and best, and last the gar master on the San Jose, an adjoining est and are the easiest to keep clean in estate. He reports that the doctor longest, and are the easiest to keep clean of any, and can be used after for apple butter or other uses beside J. BILLINGTON

Syrup Coolers and Graining Tanks.

plan that may be of use to many. It is proved a complete failure.

well known that to let hot syrup rest in Now let me say to those interested in well known that to let hot syrup rest in a body without stirring it, will darken result. very much and change flavor also. This far west to develop its merits. He is caused by what is termed steam burn- could realize thousands in the old sugar ing. To avoid this the syrup must be stirred, or, as a cheaper method, allowed COL. COLMAN: Please find herewith to flow over a surface in a thin stratum four dollars, part for one year's sub-sufficiently long to reduce the tempera-When the pages of our old catalogue were stereotyped we were making over for copies of the report of last year's ago I used shallow copper pans some 20 Cane Growing Association. I wish, if feet long and 10 inches wide with flowit is possible, to obtain a copy or two of ing water under them. This was a sucthe Rural of September 3d, '79, or even cess, but only feasible in a few places one copy of that date, containing an ar- for the want of water. Next to this I ticle on "cold defecation of cane juice," would construct a series of shallow written by myself. I have loaned out troughs, of seven-eighths clear pine, 12 feed guide, that guides the cane in centre of The crop here is mostly corn and cotton, and lost my manuscript copy of the ar- ii ches, more or less, in width with one ticle sent you, and I am continually inch ledges, and of such length as the asked for a publication of it and to give room in the works will admit. Place my latest experiments and improve- these upon an incline in a zig-zag posiments with description of plans, etc., of tion, one above the other. The first of working it. As I cannot possibly, in my less incline than the next below, and present situation, write or attend to the thus increase as they succeed each othrequest of our sorghum friends, I must er, because the syrup will run slow as try and give them one more plain talk, it cools. It may need 4-6, or more, acwith the understanding that I do not cording to their length. The flows to continue the manufactory of sorghum. the lower end pass through a suitable My health and time will not permit, opening and return on the reverse We made vast and important improve- trough, and so on, until cooled sufficientments in the manner of the cold defe- ly for barreling or tanking; such cooling

on the Santa Teresa estate, at Melena del Sur. We have associated with us this year, Augusta Heyn, who was sugar master on the San Jose, an adjoining estate. He reports that the doctor failed to suctain the patent of the Cook pan expires that the patent?" Does he mean that the patent has expired, or that there is a better method of cooking syrup, or both? Again, what does he mean by "gum Zone?"

I profiled to suctain the patent is a better method of cooking syrup, or both?

I profiled to suctain the patent is a better method of cooking syrup, or both?

I profiled to suctain the patent is a better method of cooking syrup, or both?

I profiled to suctain the patent is a better method of cooking syrup, or both?

I profiled to suctain the patent is a better method of cooking syrup, or both?

I profiled to suctain the patent is a better method of cooking syrup, or both?

I profiled to suctain the patent is a better method of cooking syrup, or both?

I profiled to suctain the patent is a better method of cooking syrup, or both? failed to sustain his claims, and no large quantities of vacuum pans have been thrown in the market to be sold for old metal. We have heard of no place hav-

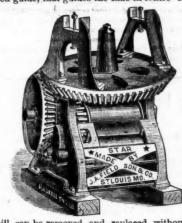
Syrup Coolers and Graining Tanks.

The repeated inquiries for a plan of coolers for syrup has induced me to give through the Rural World a simple the process at Brooklyn, N. Y., which

business, a man having so valuable an invention would not need to seek the producing countries while he was gathering dollars here, and would find quicker appreciation for his wares. JOHN B. THOMS.

Star Cane Mill.

Special attention is called to the Star Cane Mill, manufactured by J. A. Field & Co., St. Louis, Mo., advertisement of which appears in another column. Among the many points of superiority of these mills over others, we notice the novel feature by means of which,



preciated in case of breakage or wearing of boxes as well as the quick and speedy remedy in case the mill becomes clogged between the rollers.

derstood by experts in the sorgo business, but if the ideas were given in more common expressions, or were explained, it would certainly be appreciated by many readers.

E. B. HYDE. many readers. Vernon Co., Wis.

Agricultural

Letter from Texas.

EDITOR RURAL WORLD: Please find enclosed \$1.00 for subscription to Ru-RAL WORLD. I read the RURAL WORLD in 73, in St. Francois Co., Mo. I was boarding with Mr. Arenz, and he was taking the RURAL.

It may be thought by a great many that we would not have any use for an agricultural paper in this part of Texas, but it is a mistake. We are farming some here. There are something over 700 men, women and children in this The crop here is mostly corn and cotton, and looks fine; the corn will hide a

horse. The salt fork of Brazos river runs through this county, with scarcely any timber on its banks. This county is mostly all prairie, is red sandy nearly all over the county: lies in bodies most ly level and rich, on which are large prairie dog towns that contain thousands of dogs. The land is worth from \$1.00 to \$3.00 per acre for raw land. Grass is good and cattle are getting fat. Seymour is our county town, a thriving village with about 150 or 200 inhabi I could write for hours about this part

of Texas, but I will close for the present hoping to receive the RURAL WORLD Yours respectfully, JOHN PRICE.

Round Timber, Baylor Co., Texas.

Hard on the Farmers.

A city exchange gives the following advice

"Hard times must be overcome by farmers by hard work, hard study, hard thinking, and the hardest kind of economy.'

The advice is good, but the inquiry naturally arises, why should times be so hard upon farmers? Why should they be compelled to work so hard, study so hard, think so hard, and practice "the hardest kind of economy?" Why is it thus? Is it because they are compelled to bear an undue proportion of the taxes which go to support the government? Is it because they do not get a fair proportion of the values created by their hard labor? Is it because they have no voice in fixing the price of the products of their skill? Is it be-

Che Grange.

[The Bura. World welcomes to the Grange mad all parts of the Mississippi Valley from mombers of the order. Brief notes of what is going on in the order, or any matters per-taining to it will be cheerfully published.

Official Grange Paper.

At a meeting of the executive committee of facilities, and damage them almost irthe Missouri State Grange, held in the city of remediably.

St. Louis on the 3d day of December, 1880—

Mr. Gould may be as scrupulous as he is enterprising; he may have the broadto accept the proposition, submitted by Col.

and of the agricultural classes of the State, and the special special

olved, That the Missouri State Grange cordially indorses Colman's Rural World and recommends it to the support of the Patrons of Husbandry of the State of Mis-

The Danger at the Door.

The telegraph lately announced that The telegraph lately announced that Mr. Villard, of the Oregon transportation take a deep interest in this question. pool, which has captured the Northern Pacific Railway, has, in company with affect the farmers? Horace White, formerly of the Chicago "Tribune," bought the New York "Even-inland commerce. On every dollar of ex-"Tribune," bought the New York "Evening Post," which it is proposed to place under the editorship of Carl Schurz. If this shall be accomplished it will give the control of three of the great newspapers of New York, all members of the Associated Press, to men who are interested solely in increasing and consolidated agoital in the hands of corporations is ested solely in increasing and consolida- dated capital in the hands of corporations is

dy controlled by Jay Gould; reinforced tions make from 25 to 50, and even 100 by the "Post," whose mission of supporting and defending monopolies will be the same as theirs, and a powerful newspaper trium virate is established whose batteries will be turned on the people also his address in the Runar World There is an old grown batteries. without cessation. There never was anew.

The demand is wonderful. Book agents are as railroads directly and indirectly under the control of its leading officers, reveals some startling facts that will interest the public at large. Quietly, but certainly the manipulations of Jay Gould and his associates have gone of until they control nearly all the reads of until they control nearly all the roads of the country. Notice how the names of two or three gentlemen figure in the list of directors: Take first the Union Pacific, and among its officers we find Sidney Dillon, Russell Sage and Jay Gould.

The Wabash, St. Louis and Pacific exhibits the names of Sydney Dillon, Jay Gould and Russell Sage. The Delaware, Lackawanna and Western has for directors, Jay Gould, Sydney Dillon and Russell Sage. Hannibal and St. Joseph, Jay Gould and Russell Sage. Central Railroad of New Jersey, Sydney Dillon and Jay Gould. St. Louis, Iron Mountain and Southern Railroad, Jay Gould, Russell Sage and Sydney Dillon. Jay Gould has just received control of the International and Great Northern Railroad, and his favorite associates will no Raw corn-meal dough is unfit food. Russell Sage and Sydney Dillon. Jay Gould has just received control of the International and Great Northern Railroad, and his favorite associates will no doubt soon figure as directors. In Aprillast Jay Gould gained control and succeeded to the control of the Texas Pacific Railway, and it is understood that he and his associates control the St. Joseph and Western, running from St. Joseph and Western, running from St. Joseph and Western, running from St. Joseph to Grand Island, Neb., a distance of 289 miles. These are only a few of the roads in which Mr. Gould and his triends are largely interested. How many others are really controlled by them the public may not know until some fine morning when the former feel disposed to put on the screws, freeze out the minority the screws, freeze out the minority stockholders, or show the people that having the power to regulate rates they propose to ruin a town here and there, squeeze the farmers of the west out of pure water, which should be kept in their hard earnings, or build up one city the shade.

at the expense of another.

It is easy to see how this syndicate is able to go on purchasing roads and adding to their already enormous powers. They are recognized as successful managers and manipulators, who, if they choose, can largely increase the carrying trade and earnings of any road, turning it into a feeder or an outlet for the roads already under their control. They find an independent, broken-down railway with stock at a mere nominal price and purchase it. The stock is then doubled or trebled, or, as in the case of the Mis-souri Pacific, increased 15½ times; blank-et mortgage bonds are also issued, and the stock and bonds are thrown on the market. The names of Gould, Sage and Dillon give these securities a fictitious ramer describes the hennery on the estate value; they sell at a high price and of Mr. John W. Brooks, at East Milton,

circumstances or with like opportunities. It is not abusing them for taking advantages of the chances offered them; but it is calling public attention to the lax condition of our laws, which permits enormus speculations of this kind on a fictitious basis; to the system that permits watered stock to any amount to be

ssued, and thus places a power more

can turn a hundred thousand then into the street, or give employment to a hun-dred thousand others, any day. The vast lines of telegraph are owned by him. Every newspaper in Chicago pays tri-bute and toll to them. Gould's order would be sufficient to disturb their news

St. Louis on the 3d day of December, 1880—
all the members being present—it was agreed
to accept the proposition, submitted by Col.
Norman J. Colman, for publishing the official
grange communications in the Rural World
uring the two ensuing years.

A. M. Coffex,
Secretary of Executive Committee.
Knob Noster, Mo., December 6, 1880.

Rolla State Grange Resolutions.
The Missouri State Grange, at its late session at Rolla, unanimously adopted the folswing:

Mr. Gould may be as scrupulous as he
is enterprising; he may have the broadis enterprising; he may have the best enterprising; he may have the broadis enterprising; he may have the b whereas, Colman's Rubal Wobld was one of the first papers in Missouri to espouse the grange cause, and to urge the farmers of the State to organize themselves into granges; and Whereas, It has ever been the faithful, earnest and consistent friend of the grange and of the agricultural classes of the State, But even this power may be held in abeyzelously laboring to advance every agricul- ance too long, and arouse only to find its

July.

Question 13—How to best preserve sum-mer fruits and vegetables for winter use?

Suggestions-Best method, considering health and economy. How best to preserve their flavor? What temperature keeps it

Ques. 14-Transportation: How does it

Sug.—Agriculture furnishes 80 per cent of ting the power of the great corporations of the country.

The "Tribune" and "World" are alreading and labor, while incorporations of the custom of the custom of the average of about one per cent per annum on capital and labor, while incorporations in the hands of corporations in made in our city of which we are pleased to made in our city of which we are pleased to dustry. Profits on agriculture, and all other industry. Profits on agriculture are reduced to the average of about one per cent per annum on capital and labor, while incorporations in the hands of corporations in made in our city of which we are pleased to oppress agriculture, and all other industry. Profits on agriculture are reduced to the average of about one per cent per annum on capital and labor, while incorporations in the hands of corporations in t

is an old grange here that intents to start

The Poultry Pard

Management of Young Chickens. The Missouri, Kansas and Texas, which has just placed bonds to the amount of \$45,000,000 on the market, has among its directors Jay Gould. Russell Sage and Sydney Dillon. The central branch of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction of the Union Pacific, which has just placed \$6,000,000 in bonds on the signed of the great destruction o market, has for its principal officers the keeper. Young fowls need a certain Sydney Dillon, Jay Gould and Russell amount of care, and if one is not dispos-The Wabash, St. Louis and Pacific ex- ed to give the attention needsed, it is

no other cause than improper food.

Do not permit them at any time to

tilation should not be neglected.
G. W. PLEASANTS.

Wright City, Mo.

A Big Hennery.

A correspondent of the New England Farmer describes the hennery on the estate millions are realized with scarcely an Mass., and the mechanical arrangements for effort.

"The Inter-Ocean" is not pretending that these men resort to practices that others would not resort to under similar others would not resort to under similar of the southern side is sometimes.

is heated by a couple of lamps at one end; the eggs are in trays under a tank of hot ing army in almost every State and county in the entire land.

Talk about the patronage of the president! Why, the word of Jay Gould can turn a hundred thousand men into the street, or give employment to a hundred thousand men into the street, or give employment to a hundred thousand men into the street, or give employment to a hundred thousand men into the street, or give employment to a hundred thousand men into the street, or give employment to a hundred thousand men into open or elect the street. work escapement, gives power enough to open or close the ventilators. The machine is bulky and expensive, but it does very good work, having hatched from seventy to eighty per cent. of the eggs placed in it. It holds seven hundred and fifty eggs at a time. The chicks as feat as hatched are placed in chicks, as fast as hatched, are placed in small paper boxes lined with flannel, and kept warm till they dry off, when they are ready for the artificial mothers. These 'mothers' are of wood, lined with soft woolen cloth for feathers, and their life's blood is warm water circulating from a heater. The chicks, however, take kindly to this sort of treatment, and huddle together under the pipes as contentedty as under the mother's wings. They are fastened in at night by a door of wire netting, and allowed to run, after a few weeks, in fine weather, out of doors in yards facing the south, in front of the coops."

A Good Living for Some Lady.

Any lady who desires to be independent and make a living by her labor, should put herself in communication with our business manager who has had consigned to him for sale a perfectly new and improved Lamb Knitting machine complete, with iron table, and all the necessary tools to make all kinds of knitted wove goods, from a mitten to give her lover, to a cloud to cover her blushes, and all that sort of thing. The machine has never been used, is in first-class order, makes all kinds of stitches, and being the best knitting machine made, recommends itself as being a Subjects for Subordinate Granges for good investment. The origional cost was sixty-eight dollars, but this one will be sold for half that price. We have but one for sale Address this office

HEDGES' NEW BOOK.

COL. NORMAN J. COLMAN: Where can I get Hedges' book on the manufacture of sorgo? What will it cost? Address. J. S. McKinsz, Caddo Grove, Johnson Co., Texas.

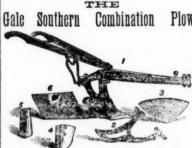
Send \$1 to I. A. Hedges, 2004 Broadway, St. Louis, Mo., and book will be forwarded by mail. 16-13

Of Interest to Fruit Growers.

Oft and again we hear complaints from fruit and vegetable growers, that the money they receive from the commission men, on the sale of their goods, is in amount far from what was expected and in many cases so small as not to pay for the labor of gathering and shipping. It is owning to these continaed complaints that a new venture has been made in our city of which we are pleased to arise in a great measure from the custom of commission men having to pay large sums of money to the middleman, who goes out soliciting consignments; and as these sums have to be made out of the sales on the shipments the returns to the growers are necessarily A pamphlet recently issued and addressed to bankers and investors, and others interested in the securities of the Union Pacific Railway Company, as well as railroads directly and indirectly under the control of its leading officers, reveals some startling facts that will interest the public at large. Quietly, but certainly the manipulations of Table 19 and dispensed with the services of these agents

For over 34 years Dr. Tobias' Venetias Liniment has been warranted to cure Croup. Colic, Spasms, Diarrhea and Dysentery, taken internally, and Sore Throut, Palus in the limbs, Chronic Rheumstism, Old Seres, Pimples, Blotches and Swellings, externally, and not a bottle has been returned, many families stating that they would not be without it even if it was \$10 a bottle. Sold by druggists at 25c and 56c Depot. 42 Murray street, New York 4-240cw

Do Your Own Printing \$3 Parss prints



THE VERY BEST. MADE BY THE

READ THIS

Dr. Joy's Celebrated Electric Devices, Invented by Prof. Designa. A. Joy, of the University of Michigan, especially for the cure of all Nervous Diseases. General Peblity. Lost Vigor and Manhood, the results of abuses and other causes. Also for Liver and Kidney Diseases, Rheumatism, Neuralgia, Paralysis, Female Trembles and many other diseases. Wonderful cures quickly effected. Illustrated book sent free. Address the manufacturers, WAGNER & CO., Chicago, Ill. 924.09

BATHS--RUSSIAN & TURKISA When you go to St. Louis, don's fall to go to Prof. Wm. Roberson's

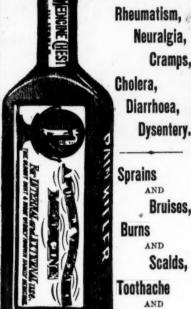
Under Lindell Rotel, and try one of his TURKISH OR RUSSIAN BATHS FINEST BARBER SHOP IN THE WORLS

TO FARMERS and Threshermen.
If you wast to buy Threshers, Clover Hullers, Herse Powers or Engines (either Portable or Tracti a, to use for threshing, sawing or for general purposes) beythe "Starved Rocater?" goods The bees is the cheapest. For Price List and Plussrated pamphiets (seen free) write to The Aultman & Taylor Company Manafield, Ohio. 15-5eew

\$5 to \$20 per day at home. Samples worth \$5

PERRY DAVIS'

A SAFE AND SURE



Neuralgia, Cramps, Diarrhoea,

REMEDY FOR

Sprains Bruises, Scalds,

Headache. PAIN-KILLER is the well-tried and who want a sure and safe medicine which can be freely used internally or externally, without fear of harm and with certainty of relief. Its price brings it within the range of all, and it will annually save many times its cost in doctor bills. Price, 25 cents, 50 cents, and \$1,00 per bottle. Directions accompany each bottle.

FOR SALE BY ALL DRUGGISTS.

OFFICE OF A. J. CHILD.

68 80 GENERAL PURCHASING AGENT

ST. LOUIS. MO.

Corn Cultivators.

The INDIANA Two Horse walking cultivator.

Iron arch and beams, single

\$1 25. A. J. CHILD.

SULKY HAY RAKES.

The Hamilton sulky hay p the past six years we

have sold Thousands of these rakes with Perfect Satisfaction in every case. The Lock Lever is Simple and Durable, Easily Managed and Certain in operation. The wheels are very high, admitting of the ·largest windrows It has 20 oil tempered spring steel teeth, fastened in the rake head so as to preclude the possibility of breaking. We guarantee satisfaction. Price on cars or boat in St. Louis \$23 00.

Delivered in Kansas City, Mo., for points beyond, freight prepaid to Kansas City, for \$24 00.

A. J. CHILD. -###--

Sorghum Mills, Evaporators Pans, and Furnace Fixtures.

Before making your purchases of Cane Mills and Fixtures, send to A. J. Child for price list of Standard Sorghum Machinery, money saved for Farmers who can pay cash for goods.

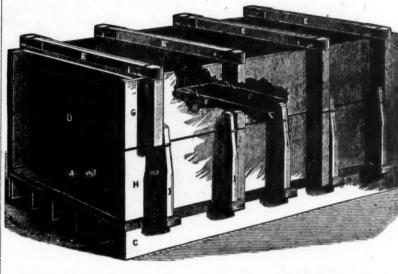
Binder Wire.

Washburn & Moen, Brass Tag Binder Wire for any Machine dolivered on cars in St. Louis, Mo., at 10 cents per pound. Long spool 160 pounds in a box. Short spool for further particular, address C. D. COLMAN, 200 pounds in a box. 200 pounds in a box.

No boxes broken. A. J. CHILD

200 Market Street.

Brown's Portable Grain



Saves sacks and labor in hauling grain. Most useful implement in use. Costs less than stationary bin of same capacity. For descriptive circulars and

WM. M. PRICE & CO., St. Louis, Mo.

County and Farm Rights for Sale.

18-tf

Commission Merchants St Louis - mo. Consignments Solicated

Wheat, Corp. Oats, Tobacco, Wool, Hides, Hemp, Broom Corn, Castor Reans, Flax Seed, Timothy, Red Top, Clover, Millet and Hungarian SEEDS, and all FARM PRODUCTS will have our personal attention on receipt.

Account of sales rendered promptly. Wheat sacks furnished those who desire to ship of usprent, 3 cents each. Sacks for this ment of Flax Seed and Castor Beans nurnished on same terms. Builspa and Gunnies for Oats and Corn furnished so of teachs are sold with oats and corn.) Wool sacks five for shipment to us. Sacks for seed furnished at cost. The othy, Clover, Milles and Hungarian seeds are sold "sacks extra." This present are paid for sales according to value. When we split he seed we get within one to two cents of cost for sacks. Seed should be shipped in new cotton sacks. In ormation as to the markets cheerfully given. Address

WM. M. PRICE & CO,

14 South Commercial Street, St. Louis, Mo.

Challenge Well Auger Company

Manufactive the Weil Arger that will bore any kind of ear he makes a well any size required—and is a perfect success in Quicksand and himipan; will easily make a deep well to one day.

Our Conbined Machine for Force Power, consist of both Earth-Borng and Rock-D lilling tools. The Earth suger is used tilt rock is rea hed, when the rock-boring tools are attached, and the boring continued till an abundant supply of pure water is obtailed.

Arte lan Weil and Prospecting tools for Steam power as prelate. Our tools are equal to if not better, thus those of any manufacture in the United States, and prices below the lowest. Catalog es mailed tree. Address,

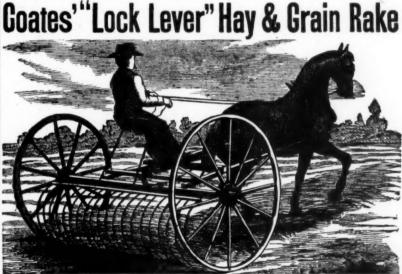
CHALLENGE WELL AUGER CO., 1420 NORTH TENTH STREET, ST. LOUIS, MO.

Land Plaster

Pays 200 to 500 per cent. Profit on the Investment. All farmers should try it. Guaranteed to pay. Send for Circulars

and Prices to THORN & HUNKINS

309 and 311 S. Twelfth street, St. Louis.



Patented Aug., 1867, Jan., 1875, June, 1875, and Nov., 1876. 75.000 now in Use. Twenty Steel Teeth. No complicated ratchet wheels, friction bands, nor other horse machinery needed to operate it. Slight touch of the lever and DRIVER'S WEIGHT dumps it. Best self dump in market. A small boy rakes easily 20 acres per day with the COATES' "LOCK LEVER." Send for Circulars.

A. W. COATES & CO., ALLIANCE, OHIO. DEERE MANSUR & CO., Gen'l agents, St. Louis, and Kansas City, Mo.

WALTER BROWN & CO. WOOL COMMISSION MERCHANTS.

BOSTON, MASS. Consignments solicited, Refer to R. W. Gentry, Pres. Mo. W. G. A. Seda la, Mo.

" " Otis D. Swan. Emporta Kan 23-13

TURKISH BATH ESTABLISHMENT. 10. 311 N. Seventh Street, bet. Olive and Lee GEO. F. ADAMS, M. D., SUPT.

For Ladies. Monday, Thursday and Saturday Merans For Gentlemen.

From 7 a. m. to 9 p. m., excepting the abouts for ladies.
SUNDAYS: Gents from 7 a. m. to 12 m. THE TWO STANDARD - BRED TROTHEN

STALLIONS

SETH WARNER BY ETHAN ALLEN, AND MONITOR BY MERCHANT.

Wine for Sale. Concord, Catawba, Ivea' Seedling, Virginia cedling—all pure grape julce. 'A so grape and spie brandy. Will sell by the gallon or barrel. te wine is all warranted

JOHN T. WALTER, Baden, Me.

SPRAGUE'S HOTEL AND RESTAURANT. OPEN DAY AND NIGHT

7 6 N. Fifth St , St., Louis Ope Union Market. Rooms 50e, 75c and 8). BOSS DINNER 250

617 St. Charles Street, St. Lonis, Mo. A regular graduate of two Medical Colleges, has been longer located than any other Physician in St. Louis, as eithy papers show, and all old residents know. Syphilis, Gonorrhosa, Gleet, Stricture, Orchitis, Rupture, all Urmary Diseases and Syphilitic or MercurialAffections of Throat, Skin or Mones cared Safely, Privately.

MANHOOD RESTORED

rictim of early imprudence, causing nor-debility, premainre decay, etc., having in vain every knewn remedy, has discover-limple means of self-ours, which he will

Horticultural.

Edited by George Husmann, Professor of Pomology and Forestry, Columbia, Mo. All communications for this department should be addressed to him as above.

Evergreens -- Their Trimming and Training.

By Jno. A. Warder, M. D., president of American Foresty Association. Extracted from the Transactions of American Nurserymen's Association. Read at Dayton, Ohio June 16th, 1881.

Mr. President, and Brethren of the American Nursergmen's Association: It nurseryman, addresses those who have ous evergreens, with which, as nurseryso often received him in the most fraternal manner, and who have again and again listened with amiable patience it be, in the hope that it may contain a small addition to the sum of human knowledge, which you are garnering for the betterment of those who may follow in your tootsteps.

Nor is it pretended that in this pafore you-it contains only the views which have been happily expressed by

Evergreens are those trees and shrubs that have persistent foliage, which retains its verdure and its vitality during the entire year, and often for many years. This persistent vitality is an interesting fact that has an important bearing upon the physiology of these plants, and hence our treatment of them will be different from that we apply to deciduous trees. The leaves, being considered the respiratory organs, through these organs when the roots are locked up in the frozen soil-and especially must they suffer after they have been disturbed by fall planting. This is often followed by death from trees, have been so generally unfortunate that it is now seldom practiced. Small, young trees, may be moved at that season, because, being low, they are protected by being less exposed to the winds; but in this case, the earlier they are set out in autumn the better, so that new roots before the access of wintry mans express it) of the young trees. weather, when, if they be mulched, or are covered with snow, they may come out all right in the spring.

The commonest, yes, and some of the rarest, but with us, far the greater pro-

the evergreen willow-oak and the water the evergreen willow-oak and the water oaks lose their evergreen character when brought to our latitude; the when brought to our latitude; the latitude; the latitude willow a rule, we all desire to preserve the latitude; the latitude willow a rule, we all desire to preserve the latitude; the latitude; the latitude willow a rule, we all desire to preserve the latitude; the latitude; the latitude willow a rule, we all desire to preserve the latitude; the latitude willow a rule, we all desire to preserve the latitude; the latitude willow a rule, we all desire to preserve the latitude; the latitude willow a rule, we all desire to preserve the latitude; the latitude willow a rule, we all desire to preserve the latitude willow a rule, we all desire to preserve the latitude willow a rule, we all desire to preserve the latitude. exotic evergreen oaks are not hardy here at the north. A live oak has attained to good size at Little Rock, Ark, and I have leaved from Corn.

soils, or near the sea-coast, they succeed admirably up to latitude 43 north. The evergreen magnolias cannot withstand our severe winters, though the grandiflora may escape for some years, and has frequently bloomed in southern

their general absence from the native sylva of our most fertile and populous regions, but also because of their beauty in the landscape, as both their forms and colors contrast with the hues pre-

also highly valued for the protection branches. This is especially to be ob- and his judgment in curtailing strag- generally quite satisfactory—a considerable improvement over those of last shrubs, such as the Irish junipers and force of the plants in the needful direction. whether planted as wind-breaks to the whether planted as wind-breaks to the fields, or as shelter-hedges about our dwellings, both of which kinds of plant
are of dwellings, both of which kinds of plant
hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the immediate effect of such hemlock tree often needs watchful care the lies north of the fortieth parallel, and evilate and judicious, masterly energy to curl natural young evergreen is a wonderful its tendency to form rival shoots, while improvement to it, and after the re erywhere westward in the prairie States. Even here in Ohio, once so well wooded, it is high time that we should erect these barriers against the winds that sweep over the extensive and continuous clearings already made in the the nursery, as the contour of the maprimeval forests.

TRIMMING.

Without detaining you with the further details, as to the various and is thus that one, who is not a practical and numerous species of the conifermen, you must be familiar, and need not to be instructed by an amateur, let us proceed to consider the treatment which the little trees should receive again listened with amiable patience to whatever he has had to offer them. And now, at the summons of our president, he again appears before you, perhaps for the last time, bringing his offering, trivial and unimportant though the in the hope that it may contain a which the little trees should receive while under your nursing care. With the planting, plowing and hoeing you are presumable familiar; but in regard to the trimming and training it may perhaps be well for us to consider the objects we have in view, and the best means to be adopted to insure the hap when in the hope that it may contain a piest results that should follow our well directed efforts. The object of all trimming of ever-

greens, but especially in the nursery, should be to shape the young tree and to thicken its twigs, increasing the amount of foliage. A similar design Nor is it pretended that in this pa-amount of foliage. A similar design per a single original idea will be set be-and a corresponding practice should be continued in the treatment of the trees of greater size when planted upon our others, and that may have already be-came familiar to yourselves, but which have been confirmed by the close observations of half a century, by one who was early taught to open his eyes that benefit, first of those who nurse and he might see. This is what he has train the little plants in their infancy, and next, of those who are to purchase them and enjoy their adolescent and matured beauty, and their grandeur in

The natural habit, or form, and mode of growth of trees should be a matter of study, and needs our consideration. Some species will most naturally form beautiful, erect, conical figures, and need very little care to produce such effect. Some are more umbrageous and massy let the nurseryman or park director do what he may in his attempts to torture them into the form or shape he may fancy, while others are as determined to are ever ready in this class of plants to carry on their functions. They act both in summer and in winter, and the plants may suffer from excessive evaporation through these organs when the roots protect us from the wintery blast, others ing into the desired upright habit. They have a weeping character, produced by often remain for years in the form of the habit of their dependent or drooping low, flat-topped tables, apparently in branches and twigs, while again, not a perfect health and vigor, but scarcely few of our evergreens are procumbent, advancing upward more than an inch and even prostrate, trailing and creep in the season of growth. The purchasexhaustion. Our attempts at planting ing, without even attempting the erect er need not be discouraged, about planting in the autumn, particularly of large mode of growth. Thus we find a great ing such trees, however, for eventually diversity of habit, something to suit they will form a vigorous shoot that every taste and fancy, and adapted to will then start off and ascend as many every variety of situation that may come under the treatment of the planter. This is especially true of the the process shall become a late summer rather than an autumnal planting—and thus they have a chance to make new roots before the account of which the state of the same way, similar fundamental principles, which are to be observed and carried out in his nursing (or Schoding, as the Germann control of the same way, sometimes the same way, som

SHORTENING THE LEADER.

incelletrees, including the pines, spruces, firs, thujas, biotas, retinosporas, junipers, &c., but there are also broadleaved evergreens, such as the oaks, the buxus, the hollies, rhododendrons, kalmias, magnolias, bays, aucrebas and others.

The evergreen oaks are peculiar to the south of Europe and to our own southern States, where the live oak thrives near the sea-coast, but it does little good away from the salt air: even the evergreen willow-oak and the willow oak and the willow-oak and the willow sulting from storms, and from the lesions affected by birds or of insects; and we have seen the consequence, which is claimed that the natural pruning thus done is rether an adventage than other.

grandiflora may escape for some years, and has frequently bloomed in southern Ohio. The magnolia glauca is hardy even in Massachusetts, but only a half evergreen. The same is true of the bays and ancubas, which are therefore undeserving of our attention.

Rhododendrons, kalmias and their requirements as to soil, that we who occupy the limestone regions, must forego the pleasure afforded by their lovely flowers, and their rich, green foliage, except when we import the soil adapted

turer plant would be seriously damaged by such treatment if practiced upon it at a later period; and a tree which has not been thus trained, is always liable or stub is concealed by the projecting to irreparable injury, whenever exposed to a storm of snow or of sleet, the weight of which may separate the sevinside, and is not seen, so that the good eral parts, that never again coalesce in-to a unit. Such trees are crippled for the means by which it was effected is the remainder of their lives, and may not apparent.

as well be rooted out, since they have become deformities. Of course the young trees increase in size, and after treatment here so commended, nay, insisted on, will require watchfulness, care, and action on the part of the nurseryman, in the management of all such of their contour. The nurseryman must plants. The pruning must be done not neglect this in training his trees with the knife, thus exemplifying the force of the remark of the ancient gardener, who, when asked the best time for pruning, replied: "Whenever your knife is sharp," and pithily added this sensible advice: "never allow it to become dull nor to remain so." The season is a matter of little importance in comparison with the act, when young and tender, the double leader may be snappled off with the fingers, at a later period it may be twisted and bent aside, or at once cut back to a stub, longer or become relatively shorter than the shorter but it should be made decided—

shorter but it sh

TO GET A LEADER. In some species it is often quite as difficult to get a leader, as it is to pre-vent the tendency to produce too many in those kinds we have just been considering. In others, the tender shoots that push from the terminal bud are liable to be broken off by storms, or by the weight of a bird that may alight upon it when watching for his prey, while in some species, the terminal bud itself is often killed, and a troublesome beetle, the *Pira pestis Zimmermani*, (of Grote) named for our young colleague, C. D. Z., not unfrequently de-

stroys the leader in some pines.

In the group of evergreens first referred to, the difficulty is frequently observed in some of the firs, notably the Abies pectinata, the European silver fir, in the Nordmani and some others in the Nordmani, and some others that become very unprofitable stock to the nurseryman in consequence of the length of time required for their school length of time required for their school-These species, with such differing forms, beautiful Abies pectinata, which is may all come under the care and management of the same nurseryman and green foliage, so persistent that it is rewill require peculiar and appropriate tained for many years. The highly treatment; but all these variations of prized and more hardy Abies Nordmani

The injury to the leader, sometimes done to the young shoots by storms, cannot very well be avoided, but it has been found advisable, in certain cases, sent the points of this paper in the form Can the leader of an evergreen be shortened with impunity, is a question that has been much discussed. This may be answered positively in the affirmative. It may be done whenever, in the judgment of the nurseryman, or of the arborist, he may find it desirable to check the tor amount affect to give them the support of a stake to which they may be secured temporarily while young by tying them with soft bast; the stake should project above the tip of the shoot, so as to be also a professional transfer of the interest of the perfecting of their shape and the increased density of their contact of the perfecting of their shape and the increased density of their shape and the increased density of their contact of the perfecting of their shape and the increased density of wise by improving the form of the

tained to good size at Little Rock, Ark., and I have learned from Gen. Patrick, now residing near this city, that he had seen healthy trees at Independence, Texas, in latitude 30. Both of these cases cited are interior, and the former is separated from the seacoast by some hundreds of miles.

The hollies are beautiful, especially for hedges, but they do not succeed in all soils, and have been very unsatisfactory to most planters in Ohio; with a milder climate and on humid, sandy soils, or near the sea-coast, they suc-

leading shoot, it is surprising how soon

which depreciate their future value as timber material. When young trees for screen hedges; the nursery rows in our country, not only because of their wants are particularly desired in our country, not only because of their wants are particularly desired in our country, not only because of their wants are particularly desired in our country, not only because of their wants are particularly desired in our country, not only because of their wants.

its tendency to form rival shoots, while its beauty is more surely preserved by insisting upon a single leader. You should carfully cut back all such aspirants as venture to compete for supremacy. This should be attended to in the earlier stages of growth, that is in the nursery, as the contour of the maturer plant would be seriously damaged by such treatment if practiced upon it. inside, and is not seen, so that the good effect of the trimming is evident, but but young trees increase in size, and after

they have left the nursery to occupy their permanent stations, it is necessary to have a care to the preservation of their contour. The nurseryman must and the first requisite is to avoid crowding in the rows—the laterals damaged or lost by such crowding cannot be re-produced as in decidnous trees. Each upright evergreen should be well fur sent a perfect cone from the surface of the ground to the apex—whether this figure be short or long, it should be com-plete; if otherwise, the deformity is not enly irremediable but it will progres-sively increase, as the lower limbs will become relatively shorter than the ly subordinate to the shoot selected as as we have learned that the leader of an evergreen may be amoutated without endangering the vitality of the tree, you need have no apprehensions about cutting back the ends of the lateral branches, and this must be done whenever they project beyond those below them. Cut them in severely, if neces-sary, so as to expose the ends of all the lower branches to the sun and dew this is carried on progressively from one tier of laterals to the next above it, the conical figure is insured.

In ornamental planting the beauty of an evergreen is lost, whenever the lower limbs grow shabby and have to be trimmed away, as is too often done; whereas, by carefully preserving their vitality and vigor, the best effect is pos-sible on the plan just proposed—the sible on the plan just proposedbranches will rest on the surface of the ground, or near it, and the graceful evergreen cone will seem to have its base resting upon the greensward, the stem being perfectly concealed from

To you, practical nurserymen, it might be considered almost a work of supererogation to make any reference to that valuable implement the treedigger, but as all nurserymen are not familiar with its merits, it is mentioned at this time, not so much to vaunt its services in digging trees, as to speak of its great value when used as a rootpruner of all trees that are likely to be come overgrown in the nursery, and particularly those evergreens that are liable to make an excessive growth. This cutting of the roots, checks their under vigor, multiplies their fibers, and with comparatively little labor, is equal in its meliorating effects to another transplanting, and may save many a block of evergreens from the destructive flames of the brush heap.
In conclusion, and as a reward for

your patient attention, which has again

Carefully preserve the contour of your trees, and keep them well furnished with lower limbs, which can be effected by observing these two positive

exclude all pasturing animals from the

Fruit in Southern Illinois.

COL. COLMAN: Should the following tems, relative to the Illinois strawberry crop for the season just closed, be of than another in a garden of flowers, that interest to your readers, they are at thing is a beautiful girl with a sun-bonnet ry crop for the season just closed, be of your service. With regard to Cobden the figures given are absolutely correct.

From Cobden......Quarts. Makanda 750,000

Total from southern Illinois.3,845,000 But for the severe drouth and a rust

Shipments were chiefly to Chicago St. Louis, Cincinnati, Detroit, Milwaukee and St. Paul, but many thousand cases were consigned direct to the smaller cities and towns, to not less than one hundred points in all.

Statements, taken from over one hun dred Cobden growers, indicate that the number of acres planted this spring is very little, if any, greater than one-half the area put out last year. Raspberries are now going forward freely. First tomatoes shipped yesterday.

Cobden, Ill., June 13. F. E. P.

About Purdy.

PROF. GEO. HUSMANN: I regret to find did not prevent an outpouring of refined in by the pickers. If you keep simply an acand graceful blackguardism on your devoted count, the picker's figures will not correshead in the last issue of his paper. Now, as an old subscriber of the Fruit Recorder (for loss of money. Keep the pickers at work are brief period some years ago.) I must a very brief period some years ago), I must early and late, but compel protest against a solid, respectable paper, like least two hours in the heat of the day, the Runal World, coming down on Mr. one goes home early, the others follow—do no paying it. Don't allow talking, playing Purdy in this manner. Of course his knowl-loafing. Dump a box of berries occasionally tofore been so blissfully unaware of-having been discovered and exposed by such an authority as Mr. Purdy, you will hereafter behave with becoming humbleness, always remembering that a lifetime of intelligent study and experience counts as nothing, when opposed to the loud and dictatorial pretensions of our sage of Palmyra.
F. T. Grower.

Susquehanna, Co., Pa.

About Orchards.

The sentiments expressed in the folowing, by T. T. Lyon, in the Michigan lowing, by T. T. Lyon, in the Michigan the seed; and when the time comes to put Farmer, will meet with the hearty assent of experienced fruit-growers, with flower-bed large enough to set the turnip in the exception of those contained in the —it will rot in a short time—and your plant the exception of those contained in the second paragraph:

Never buy a fruit tree of poor or indifferent variety simply because it is large, well grown or symmetrical. Between the layers twice a day, as they must be ty, even though the tree is small or ill- to be taken from the parent plant. Cut them formed. With the same amount of care, a small tree will sooner recover from transplant where they will remain. The folthe shock of transplanting; while crooked or ill-shaped trees, if healthy, will gradually overcome these faults, and hence become less and less objectiona-

the soil into good tilth. As a rule, nei-ther plow nor cultivator should be allow-ed within the spread of the branches of

a growing fruit tree.

Never leave an excess of fruit to mature upon a tree under the impression that by so doing you can hope to in-crease the yield, whether in quantity or in quality. An excessive crop is always secured at the expense of quality with

Take naine however desired.

Take naine however easily, it is often naturally restored.

Take naine however easily, it is often naturally restored. warm days of spring, and before the fo-liage is of full size. Large branches, if The knife is better than the shears.

The tree-digger is valuable as a root-pruner to check excessive vigor of growth that might endanger the beauty and compactness of the trees.

Carefully. the decay of the heart wood from the excision downward; sometimes even causing the premature decrepitude and death of the tree.

Never forget that an orchard, as sure-ly as a cornfield, consumes the fertility laws;
1. Let no upper limb extend so as to project beyond those that are beneath it.
2. Never trim up the bole of a young exergreen, but, carefully encourage and prove just as fallacious to expect a good

1. Let no upper limb extend so as to project beyond those that are beneath it.
2. Never trim up the bole of a young exergreen, but, carefully encourage and prove just as fallacious to expect a good

1. Let no upper limb extend so as to as sure to prove unprofitable in the one fine stock of apple, peach, plum, pear, quince and apricot trees; also small fruits la vari-ty at wholesale rates. Address GEORGE HUSMANN, Supt Department Pomology and Forestry.

2. Never trim up the bole of a young prove just as fallacious to expect a good.

3. Columbia, March 18th, 1881. evergreen, but carefully encourage and preserve the lower limbs from the very ground. Continue this treatment for as it would under similar circumstances twenty, thirty or fifty years, if you desire to ornament your grounds with sire to ornament your grounds with objects of grace and beauty, surpassing the sculptor's art. Of course you may orchard tree to carry its crop safely through unfavorable circumstances that would be fatal to the crop of a feeble

> Girls in the Garden. If there is any one thing more beautiful

on her head so wide and capacious that you have got to get right in front of her, and close With respect to other stations, they are thought to be closely approximate. Ship-garden walks and works. Physicially there ments from May 13th, the opening of can be nothing better for daughters, and indeed, for many wives, than to take sole charge of a small flower garden. The benefits de-rived from early rising, stirring the soil, snif fing the pure morning air, are freshness and glow of cheek and brightness of the eye, cheerfulness of temper, vigor of mind and purity of heart, consequently she must be more cheerful and lovely as a daughter, more dignified and womanly as a sister, and more attractive and confident as a wife. If you have not the door-yard ground, then get a dozen pots and plant the seeds of flowers to ste. The care and attention required regions, but also because of their beauty in the landscape, as both their forms and colors contrast with the hues presented by deciduous plants. They are

The Berry Harvest.

Get ready for it in advance. Count up the picking stands, crates and baskets, and learn how many new ones you want, and order early. There is always a rush on box and crate manufacturers just as the berry seasen opens, and all cannot be waited on at once. Keep the fruit dealers posted on your prospect for fruit, so that they may not en elsewhere if you can supply them. Look sharp after your home market (the best mar-ket by far) and see that no one gets the start of you. Fair dealing, fine fruit and good measure help wonderfully to hold your trade.

Engage pickers in advance, and for the entire picking season. Keep them under disthat you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather severe on friend culture picking season. Keep them under distinct that you have been rather season and the season a Purdy in this manner. Of course his knowledge of fruit growing, or anything else, may not be very advanced, but perhaps you are not aware that there are a great number of new beginners who receive his opinions as gospel on such matters, and who are ready to give him as many "testimonials" as a quack doctor could ask for. I believe that "testimonials" are the most important requirements in such cases. Well, let us hope now that your ignorance—which the well read fruit growers throughout the land have hereful for been so blissfully unaware of—having Green's Fruit Grower. Green's Fruit Grower.

> When the hyacinths have ceased to bloom nd the leaves are withered, let the bulbs dry in the sun for a few days and then put them away in a paper bag till October, when they can be planted in the ground. Bulbs that have been forced in the house are not good for another season.

A good way to plant some flower seeds which you wish to take particularly good care of is to take a turnip, cut it in halves, scrape out the shell, then fill with earth and plant will thrive by not having the tender roots disturbed.

ter pay ten prices for a desirable varie- kept moist. By October they will be ready off within two inches from the tongue, Dig deeply with a trowel to take them up and lowing spring they should be pruned down to three or four buds. Some of them will flower in the summer.

Never "trim up" orchard trees for the er of Illinois says that "the only proper purpose of giving "head room" for a team time to trim a hedge of any kind is to n plowing and cultivating; since to do do it when the tree is at rest, or at any so, is to afford a greater leverage for the time between the falling of the leaves wind, and to provide temptation to the borer, which will rarely, if ever, work under shaded bark; while the average it to a severe pruning while covered to the start of the severage in a severe pruning while covered to the severage in a severage in the severage in the severage in a severage in a severage in the severage in a severage in a severage in the severage in the severage in a severage in the severage in a severage in the severage in the severage in a severage in the severage in a severage in the se borer, which will rarely, if ever, work it injures any kind of a tree to subject under shaded bark; while the average it to a severe pruning while covered plowman will be almost certain to "put with leaves. The injury may not be his plow down" low enough to mangle the roots of the tree in his effort to bring recover without suffering any material harm from a single cutting; but where it is done annually, as is the case with hedges, sooner or later the tree must succumb, or linger along with only a feeble existence. Summer pruning is often the most convenient, and does the least harm where only the soft growth of the present season is nipped; but any severe trimming during the growing season should be omitted."

YOUNG MEN AND OTHERS

We send on trial for thirty days our Electro Volcaic Belts, Bands, and Suspensories, t pposing that a crop of fruit and a of grain can be profitably grown the same soil at the same time. trees are well grown they will

VOLTAIC BELT CO., Marshall, Mich.

Dr. Whittier, 619 St. Charles st., St. Louis, cures all impediments to marriage, blood dis-eases, etc. Moderate charges. Safe medi-cines. Pamphlet or consultation free. Call er

Carbolic Sheep Dip is the best. Address G. Millinckrodt & Co., St. Louis, send for cir-

Over 165,000 Howe Scales have been sold. Send for catalogue to Borden, Selleck & Co., general agents, St. Louis, Mo.

For sheep bitten by dogs and all open sores on animals, from any cause, use Stewart's Healing Powder; 50e a box

Nursery of Mo. Agr. College

American Grape Growing AND Wine Making.

By GEORGE HUSMANN.

The anthor has tried to give all the latest experiences in American grape growing and wine-making, gathered during a practice of ever 26 years; and correspondence and aketches from many of the most eminent grape growers of other States, contained in the appendix, adegreatly to the interest of the book.

Price, and comely illustrated and bound a cloth \$1.50, post paid.

For sale by Orange Jude Co., New York, publishers, or by the suther.

s, or by the suther, GEORGE HUSMANN, Columbia, Mo.

Geo. Husmann, Professor Pomology and Forestry. G. C. Swallow, Dean Agricultural College. NURSERY OF THE

Mo. Agricultural College,

COLUMBIA, MO. We would respectfully solicit the patronage the public, and are now prepared to all all orders for fruit and ornamental trees, shrubs and plants wins strictly first-class stock of best quality and guaranteed true to name. The necessity of such an establishment in our State has long been tell by the many, who have ordered their fruit and ornamental trees from the many unreliable agents and tree dealers who have flooded the State, representing uistant subseries, and often selling unreliable stock at exorbitant prices. We want a reliable local agent in every town and settlement in the State, and are now fully prepared to fill orders for any and all articles a our line, at wholesale or retail. All who desire an agency or wish to order fruit trees and other stock direct, will please attends.

GEORGE HUSMANN,

Superintendent of Narsey, Columbia, Mo.

THIRTY-FOURTH YEAR

COLMAN'S

RURAL WORLD.

NORMAN J. COLMAN:

Per

ADVERTISING: 25 cents per line of space; re-traction on large or long time advertisements. Address NORMAN J. COLMAN, Publisher, 00 Olive street, St. Louis, Mo.

"It never rains but it pours." That is what the farmers about St. Louis think now. After quite a protracted drouth we have now a deluge.

W. E. Bonner of Freestone county. spring wheat. We presume that Chas, of insects or worms. E. Prunty, of St. Louis, can supply

ing at St. Louis.

showers have fallen during the past yet. Michigan has been furnishing and self-raker, and the motion of the raker good prospects for an abundant hay har-Farmers are at work at full blast, har- has proved very light-very few of-Clover has been cut and put away.

The lowest freight rates perhaps on record, over the railroads between the luxury throughout the season. The the world at large, that man would have been one condition on early cut hay last win- you will ask him. east and west for wheat, are those pre- fruit is dropping off the trees in south- pronounced as in league with his satanic ter, and with a little corn this winter, vailing just now. It seems a desperate ern Illinois and Arkansas, the points majesty. effort is being made to check the flow of from which most was expected. wheat down the Mississippi river-to divert public attention from this public highway to foreign markets. It will, spectfully called to the merits of the long and tedious process of plowing, harrow- makes vegetation grow. The wheat har- from which such cord can be economichowever, bankrupt any railroad to re- RURAL WORLD as an advertising medi- ing, hand sowing, reaping and threshing. vest will commence about the 15th. Flax ally made. main long in the field, fighting against um. It has had a special department The old bull-tongue wooden mold-board and rye are becoming of considerable

we expected. On our visit to Dayton, men and tree planters in the valley of the old-fashioned implements which were a Minnesota, that there can be as fair syrall along through Illinois, Indiana, and the Mississippi. Nearly every member weariness to the flesh and made the farmer Ohio, we can safely say there was not of the Kansas State Horticultural So a complete drudge. And then the long winhalf an average crop, and we think if ciety, the Arkansas State Horticultural ter days, and hand threshing with the flail Col. C. have been nearer the truth. If this Society, the Missouri State Horticul- plements which accomplish so much in so section of the country is a fair average tural Society, the Mississippi Valley little time, and place the burden on the for the entire country, wheat will not Horticultural Society and the Missouri horse, the mule, and that more powerful but only be high but very high, but we pre- Valley Horticultural Society are sub- untamed agent, steam. To a farmer who has

home in the United States for an entire year, for only a dollar. Who is so meeting of the Missouri and Kansas a rival in this class of readers in this &c. But why repine? I have had my day, ber said that a single article in the Ru-RAL WORLD had been worth to him several hundred dollars. Although there

Mr. L. A. Roussel of Riverside Plantanew process and without the use of bone black filtration. The syrup looks members. Towards the close of the visiting machinery which costs so much money, which is so useful, so helpful in saving "time" and like the best liquid honey, and is very proceedings they prepared a most mag- "labor," two words which there are none more pleasant and sweet to the taste, and has no adulteration of any kind. The sugar resembles the best quality of coffee sugar. Mr. Roussel is sanguine that by his process, syrup and sugar of equal quality can be produced. If so, stantial viands. Speeches and good speeches are noted more more forceful except cash? A shed costing from the forceful except cash? A shed costing from the sugar resembles the best quality of coffee surprise to every visitor. The tables were loaded with the delicacies of the season as well as the more substantial viands. Speeches and good stantial viands. Speeches and good stantial viands. Speeches and good speeches are forceful except cash? A shed costing from the superior cash? A shed costing from t

John A. Warder on evergreens, before only overlooks the beautiful city of ers are wasteful and neglectful of their less the American Nurserymen's Association, at Dayton, Ohio, is published in a great scope of country besides. It be
labor-saving machinery. Costages, carpeted pavilions, plethoric lunch and champagne baskets, two this issue. It is worth more than the longs to the United States and has cost months' peregrinations and vacations from subscription price of the Rural World the government many millions of dolto every one who has evergreens in his lars. It is the home of disabled soldiers, watches, diamond studs and other etceteras, all legitimately earned and well invested, yet lawn or nursery. We shall, in a week the government clothing and supplying paid for by the unsuspicious and unecoor two, publish the very excellent ad- them during their lives. If any of our nomic farmer. dress of W. C. Barry of Rochester, N. readers visit Dayton they should not will open or the man see? Y., before the same association, on orfail to visit the Soldiers' Home. The namental trees and shrubs. It is the grounds are decorated with beautiful best paper on the subject we have ever ponds, evergreens, choice ornamental He (R.) claimed he could judge of a man's heard, and every one who loves a well-trees and shrubs, rock work, grottoes right to be called a farmer by the condition kept lawn, and wants to know what to and everything that can please the eye, he proved his position. The same can be plant in it, should read it before the that would be appropriate at such a done by looking at the place where sheltered tree planting season arrives, for several place. Churches, libraries, and even and condition of a man's farm machinery years. We shall publish the full pro- theatres are to be found. Amusement is Is it not so? ceedings of this association, together found to be beneficial to disabled solwith a list of all its members.

in the United States, having 45,000 bearing trees, told us at the recent meeting of the American Nurserymen's Association at Dayton, that he could not get along at all in his orchard without is being given by the Ford opera troupe. sheep. By eating the early decayed fruit "Olivette" is the bill and it is sparklingly his fruit is smooth, sound and uninjur-

ments in the city of St. Louis that is steadily expanding, is the planting of shade trees. The various attractive avenues and streets in the city which Olympic. to the visitor or stranger, are invariably marked for their abundance of shade trees. Property owners realize that the estate is tree planting-a movement for instance, all the earlier inventions of the that not only reflects a refined taste, but sewing machine were directed to a motion in eat at home, and a few seedlings to spare for an exceedingly inexpensive one for the benefits resulting. For years St. Louis through the material of the intended garlabored with indifferent success with the maple, elm, tulip and other trees, of the tailor or seamstress. Such a mabut the sycamore has been such a general success that little else is now knowledge. But the effort led to better replanted for shade. It is a rapid grower, sults by inventing the loop stick, the use of Texas, inquires where he can get good and remarkably free from the ravages

> The St. Louis markets are rather bare of fruits at present. Southern Illinois

a third of a century. It is the recog- the heavy seed bag on the shoulder of the sume in other sections it is some better. scribers. Those who make a specialty been laid by by age and bodily infirmity, THE RURAL WORLD will visit any of growing and shipping fruits from comes the wish: "Oh, that I were young the Gulf of Mexico to far north of St. again, and could wield those splendid tools; Louis are readers. The editor, being a could cut from twelve to sixteen acres of poor as not to be able to receive practical fruit grower and nurseryman, wheat, or from ten to twelve acres of grass has given special attention to the fruit in a day, and then use a horse fork to mow great section. Nurserymen who have and should it please God to prolong my for reaching those interested in such children may do what I cannot.

tended it. The members were really the guests of the Miami Valley Nursestantial viands. Speeches and good tit is a step far in advance of what we have expected so soon. We are glad he has paid our section a visit, and trust his hopes and expectations may be realized.

The very valuable address of Dr. Lake A. Worder on expectations before dier. It breaks the monotony to which uable. We shall publish them hereaf-

St. Louis Amusements.

At Uhrig's Cave, a delightful entertainment

One of the commendable improve- nightly. Their farce of "Mulligan's Silver Mammoth Pearl are now very fine and prom-Wedding" is wonderfully clever and irresising. We have had Hebrons long enough tibly funny, being studded full of good for use since the second of June. They were points and rich musical gems. This enplanted the sixth of April. The Early Rose between the head we gagement will probably end the season at the

BY CHAS. W. MURTFELDT.

It is a singular fact that in the inventing of automatic machinery of any sort, the infirst important step to beautify their ventor seeks to produce a machine which ter nomes and lend additional value to real will imitate or reproduce hand motion. Thus, this month than was anticipated last month imitation of the threaded needle passing our distant neighbors in the west. ment, the same as if propelled by the hand chine has never been made a success to my miles to find consumers for his fruits. double thread and other well-known particulars of every variety of sewing machine.

There is a work which I can do, and that is the one in which I am at this present enpass up and down the land in pursuit of pointed.

How long before the eyes

Solon Robinson, while agricultural editor

Fruit and other Crops in Kansas. ED. RURAL WORLD: Our strawberry season Mr. A. R. Whitney of Franklin Grove, Lee County, Ills., the largest orchardist

Lee County, Ills., the largest orchardist uable. We shall publish them hereaf
middle of the blooming season the rust, or as large precentage of the value of all middle of the blooming season the rust, or as called here the blight, fell upon the plants, short unprofitable crop. I am much pleased with the Crescent Seedling, Sharpless, Capt. Jack and Monarch of the West. Three beds sheep. By eating the early decayed fruit that falls, they keep in check the codling moth—the worst enemy of the apple grower. While the fruit of his neighbors who do not keep sheep and culture of St. Louis. "Billee Taylor" is who do not keep sheep, suffers badly, in preparation.

Wilson. The Sharpless with us is fully equal his fruit is smooth, sound and uninjur—

The elegant summer theatre the Pick—to what has been claimed for it in most parts his fruit is smooth, sound and uninjured. For a great many years the Rural World has been urging all large orchardists to let sheep run in their orchardists to let sheep run in their orchardists. The elegant summer theares the track of the country. Its flavor is first among the fifteen varieties that I am growing for experiment. The Capt. Jack with me was more chardists to let sheep run in their orchardists. chards, especially till picking time be-gins to prevent the depredations of the

en- planted the sixth of April. The Early Rose market. This (Duglas) county never had a the resident points out with some pride Agriculture, No. 4.--Farm Machinery. that of last year. In this county the wheat finer prospect for flax. The crop will double will not average a half crop. Many fields on up-land are not worth cutting. In some lo-calities in the county the chinch bug is playing havoe with what wheat the frost of winleft. The apple crop is showing up better -instead of a third there will be a full half peach orchard in this country would pay as well as in the far south—for here the consumers are all around you, while in the south canal Company, but it is now proposed to its administration introduces nothing into a producer has to ship three to six hundred open a fishway in the dam. That structure is

Lawrence, Kas, June 20 1881.

Letter from Montgomery.

COL. COLMAN: We will have a good a self-raking reaper. After Mr. McCormick and cherries and all small fruit in abun-The next annual meeting of the American Nurserymen's Association will be ican Nurserymen's Association will be held at Rochester, N. Y., on the third wednesday in June, 1882. The prospect wednesday in June, 1882. The prospect in quantity. The supply of who promising:

Of Hulls at present amount of red rasp. had established the fact that the grain could dance. Wheat is not so promising: some good fields have been plowed up. The chinch bug and giant fly are doing the article by the pound, that they considerable damage to the wheat, while the former is playing havor with the former is playi had established the fact that the grain could dance. Wheat is not so promising; usually light—the demand for them not face to the rear, and when grain sufficient corn in some localities. Early potatoes growing, growers are neglecting them for a bundle had been cut, he raked it off look fine and some large enough for use. The vicinity of St. Louis has been for more desirable fruits. Old apples and out of the way of the team in cutting the The garden looks very well, in fact, I suffering greatly for the want of rain are about gone, and the supply of the next swath. A bed-ridden cripple, Mr. At- have never seen it fail since I have been for the past several weeks, but heavy new crop from the south is very meagre kinson, invented an automaton harvester here (11 years). Oats and grass are fine; few days. We fear the heavy rain fall some strawberries the past week. The was precisely that of the human arm and vest, and if our prairie grass is cut in a has prostrated much wheat and oats. cherry crop in this county and vicinity hand to produce a like result. I had one of green state, say about blooming, it makes those machines and operated it for a few fine winter food; but to leave it until vesting their wheat about St. Louis. fered. The receipts of peaches are frequently less than one hundred boxes at the time that had any man produced or oat straw; hence, we have so many daily and are mainly from Texas. They such a machine fifty years ago, and placed it poor horses and cattle in the spring. My commissioner of your State will probato pay a woman for riding an elephant in will be very scarce and an expensive to work in his field without due notice to young cattle and dry cows were kept in bly supply you with the small fish, if parade about once a week. say 2 bushels per head; they are by this ing an important industry in the North-But I have been anticipating what I designed to place before the reflective reader is fine and a cool breeze blows day and The attention of nurserymen is rein this article. Well do we remember the night with an occasional shower which the necessity of cultivating the plant devoted to fruit culture for more than plow, the V-shaped wooden tooth harrow, note among the farmers; both do well a third of a century. It is the record

I will not write about sorghum this of the best starting judges in the country, The wheat crop is much lighter than nized organ of fruit growers, nursery- farmer, the hand sickle, the cradle and all time except to say to Mr. Russell, of will officiate at the Chicago trotting meeting. up obtained without lime as can be with planes for one thousand bushels of lime. you have my sample and I will we had said a third of a crop we would Society, the Illinois State Horticultural and all this. Now look at the splendid im write on sorghum soon. Every farmer can make his own syrup at small expense.

J. E. HARDEN. June 4th, 1881.

The Department Entomologist.

The Department Entomologist.

EDITOR RUBAL WORLD: I hear that our old two years old and bid fair to become a firstfriend, Prof. C. V. Riley, is likely to be reappointed entomologist to the Department of Agriculture. I hope the report is correct, They have a fine field of race-horses, and as a more suitable man for the position could trotters with records down in the twenties. not be found in the Union, and for once the frequently is worth much more than and nursery interests of this great value away the fragrant hay without a drop of myself made a project of the right place. Having ley, and the RURAL WORLD is without rain or scarcely a drop of dew to bleach it, sects for more than twenty years, I am in some measure able to appreciate the abili- ing venture. to know his great entomology. Knowing you to be an old friend of the professor's, whose entomological articles I have frequently read in the second installment of blooded stock purchased in this country by agents of the professor's and in this country by agents of the professor's and in this country by agents of the professor's agents of the prof cal articles I have frequently read in the panese Government.

Rubal World, I would be glad to hear

At a recent sale of are many who are taking several agricultural papers, they cannot afford to

The meeting of the American Nurgaged, and thus I come to the principal point
have heard is correct, and I have no doubt
serymen's Association, at Dayton, Ohio,
of this article: How the implement manuof the manu-of the ma through that paper whether the report I Fort Lincoln, Dakota, mules sold at from facturers and dealers must chuckle as they to hear that an old friend had been re-ap Jos. G. BARLOW.

Mr. L. A. Roussel of inverside Land with the guests of the Main valley States the guests of the Main valley States of the Main valley States of the guests of the Main valley States of the Main valley States of the guests of the Main valley States of the Main valley States of the guests of the Main valley States of the Main valley States of the Guests of the Main v Washington county, Mo. entomologist for the Department of Agri- improbable that she will soon be sent back to as ours, that it is for their interest to underwe have no means of knowing. That the appointment of Prof. Riley would give unfriends in the Mississippi Valley, we are certain. In point of qualifications for the posi-ly occurrence in and around Richmond, Va., tion, we feel confident Prof. Riley has no superior in the United States. He is considered have been taken during the two or three high authority not only in the new world weeks. but in the old world also. His reputation is not confined to this continent.

How to use London Purple.

COL. N. J. COLMAN: Will some of your readers please give me directions in detail how to use "London Purple" on potatoes to destroy the bugs? They have attacked ming in force, and I have no time to lose. By complying with the above you will greatly oblige,

Hickman Co. Ky. WILLIS D. RINGO.

P.S. Wheat harvest here just closing, ¼ acreage. Yield and quality good. Corn late and bad stand, on account of bad seed. Oat crop, will be light owing to a five weeks drouth which we are now enjoying. Clover fine and heavy.

about fact that notwithstanding a majority of the railway kings begnn with nothing, and after suffering during their whole reign from the meddlesome work of the grasping granges, they usually manage to leave behind them, millions of dollars. How these vast fortunes are actheir products to get the same to market, called here the blight, fell upon the plants, and then as much more for what they preventing the maturing of the fruit, hence a buy with the balance of the proceeds. thrift of railway magnates.

The official report of the crops of 100,000 quintals, against 16,300,000 as the average crop, but the main loss was in rye. The yield is estimated at 32,the 000,000 quintals whereas 58,200,000 is an average crop. There was also a deficiency of 3,000,000 quintals of barley, and 9,000,000 of oats, besides about 70,000, 000 quintals of potatoes. The deficien cy in gins to prevent the depredations of the new brood. All who practice it report world wide famous artists, Hartigan and the best results with their fruit.

The statk and this is a sways and this is a sways and this is a sways the statk and the signs of rust.

Not withstanding the intense heat those signs of rust.

Kansas will raise a very large crop of potation to produce the best results with their fruit.

Hart, are crowding the Olympic theatre toes this season. Beauty of Hebron and a greater demand for American wheat.

Fish and Fishing.

Two millions of young shad are to be placed in the Susquehanna River at various points between the head waters of that stream and

In a single day 24,200 shad were taken in the Delaware River by the fisherman of one pound Oxygen," the new remedy for chronic county alone, and the increase in the catch over former years has excited considerable

During the past week many salmon trout were caught in Meachan Lake of the Adirondack region, one weighing fifteen pounds. session a knowledge of the way in which the from now until the last week of June trout combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the two electrons of the combine oxygen and nitrogen, the combine oxygen and nitrogen and ni fishing will be at its best in that region.

where they are prevented from ascending fur- quality. It contains no medicament, unless ther by the dam of the Delaware and Hudson the elements of pure air are medicin no obstacle to the black bass.

A novel shipment of carp took place recently. Thirty carp were sent to Ecuador by Prof. Baird in charge of Mr. Aquirre. After they arrived at Ecuador they will still is sent free. Address Drs. Starkey & Pales, have a ten days' journey to the plantation of 1109 and 1111 Girard St., Philadelphia, Pa Using this as an illustration, we come to number of peaches and apples this year, Signor Tijon, near the city of Quito, upon the backs of Indian carriers, and require special cans for their transportation.

> well there, it not, what kind would you recommend? (Mud bottom and uniform ditch). If we succeed with this small pond we have a capital spot for a larger one (1/4 acre or more). Please let us know to whom we should apply. Galena, Ill. A. TELLAND.

> REPLY. The German carp will do well in the pond, but if we had a pond comes of a falling out between Adam Fore-fed by a spring we would prefer to stock it with bass and croppie, being fish of a better quality. Almost any kind of fish Louise was at \$150 a week, but it appears will do well in much start and the proposed tague. Instead of a \$10,000 contract, it is better quality. Almost any kind of fish will do well in such a pond. The fish commissioner of your State will proba-

The use of twine binders is expandband for sheaves has turned the atten

Farm Notes.

Mr. Wm. Hamilton, of Flint, Mich., one Bob Woole, a game race horse by Leamit; I would not give one yard of white his legs a few days ago in his stall and was ington, dam a Lexington mare, broke one of killed.

Never before in the history of New York ere so many fast trotters seen on the roads in the upper part of the city as during the Adroit (full brother to Audax) died recently

class race borse. Next Saturday there is to be a great race meeting in Honolulu, Sandwich Islands.

Mambrino Belle, which Commodore N.

W. Kitson, of St. Paul, recently purchased for \$6,000, died of pneumonia. This is a severe loss to the Commodore's new breed-

Six thoroughbred horses were recently At a recent sale of condemned animals at

service, sold at \$100 to \$110 cash. A Cincinnati telegram says: Although not

Keene has sold Lord Murphy, El Capitan, us depends their continuance, Mr. Ten Broeck. They have been scratched truly profit by the advantages that America

and farmers and horsemen are in a fever transforms a foreigner into an American. heat of excitement. About a dozen horses Teach them that it is in this sense that you

Mr. H. V. Bemis has placed his young stallion Mambrino Sturges, by Mambrino Gift, in the stable of Matt Colvin for training, and he has already improved beyond the utmost expectations of his owner, and bids fair to equal his sire's record of 2:20.

Mr. M. H. Sanford's fine mare Minx, by Lexington, dam Mildred by Glencos, died, Her son Monitor her foal of 1879 is engaged for the Derby. Mr. Keene paid \$3,000 for the foal, and Mr. George Lorillard gave \$4,000 for a brother to Monitor the other day.

Mr. Keene's three-year old colt Bookmaker, by Bonnie Scotland, has been allotted England, worth about \$14,000 to the winner. The race is to be run June 9.

record, 2:23½, made his first appearance this season at Detroit Friday in the 2:23 class, Col. Thomas A. Scott died worth season at Detroit Friday in the 2:23 class, only about \$13,000,000. It is a remarkable selling second choice, with Silverton as fayear.—Ex. vorite, but failed to get any part of the purse. After he has been sharpened up by few races, Jewett will be a good horse in his class. of dolliams, toaled a few days ago. Unfortunately sare acto state, mile record of 2:28, and one of 5:12 at two miles. The colt is doing well, another mare having been secured to suckle it, and has been named Orphan Tom.

HAY-MAKING.—As the season of hay-mak ing approaches, one of the prominent ques-tions which arise is the best time to cut the grass. This question should be decided according to the best interest of each individ-ual farmer. Some varieties of grass will bear earlier and more frequent cutting than others, and seem to do all the better, in a for it is far better to have a few strong, series of years. Grasses, like timothy, which renew itself by annual formation of bulbs, watery, weakly sprouts. Some trees will for the best results of several seasons, must be allowed to complete maturity and perfect seed. Cutting down the stems before the plant has come to maturity shortens the life or the plant, as the bulbs require a certain little, and many of the long, vinelike shoots amount of nutriment to be returned from the stalk and leaves, and this is always done after maturity; never before. The multitute of sprouts they will be libely. cy in rye only, for all Germany, is esti-mated at 112,000,000 bushels. Nor can Russia supply the want as usual. Hence, dicating completion of nutrition is indicated

bulb. When these indications appear, the seed are fully developed, and ripen fully at the ripening of the stem ascends.

Physicians of Long Practice.

In regard to the administration of "Comailments, which is attracting so much attention, we wish to say that we are physicians of long practice and experience, not vender of a patent medicine. Our business is to cure diseases. There has come into our pos-session a knowledge of the way in which to ments which make up our common or at-The Delaware River is now filled with mospheric air, in such proportions as to ren large schools of shad as far up as Lackawana, der it much richer in the vital or life-giving as a friend, accept with avidity, and appropriate as entirely homogeneous to itself. You will find many of these results recorded in our Treatise on "Compound Oxygen," which

A flourishing co-operative business was started by four poor women of Philadelphia, further enlarge its operations.

From the far-off town of Aurora, Ill., news reported, however, as being determined to hold the mammoth showman to his bond, and she will continue to ride that elephant until the thirty weeks for which she was engaged have expired.

By intelligence received from the Warner Observatory, Rochester, N. Y., it appears that still another comet has just been discovered by Dr. Gould. Director of the Cordoya Observatory, Argentine Republic, South America. This comet seems to be the great comet of 1807 and is located in the Constellation of the Dove, Right Ascension 6 hours and Declination South 30 degrees. It is not visible from this latitude and not known yet that it will be, although it is likely to be as the comet of 1807 was distinctly seen. No apprehension need be had over the unusual appearance of comets during the present ear as they do not posess the po injury upon the earth or any other planet.

Most farmers, probably, believe that the constituents of their crops reat bulk of the s derived from the soil. This is a very great mistake. Take, for instance, a hay or pas-ture field. The carbon, hydrogen and oxygen of the plants are derived from the at mosphere, the nitrogen and mineral matter from the soil. This would be equivalent to 92 per cent. of dry hay being derived from the atmosphere and only 8 per cent. from the soil. From this it may be seen that the farmer who has all these ingredients locked up in his manures, which he might apply to his lands for plant food, by letting it lie scattered until decomposed and wasted, sends off 92 per cent. of it to feed the plants of other lands, perhaps of farms a thous

The question is asked: "What is to be done with the legion of emigrants that is seeking our shores?" The answer is simple Americanize them. Don't ask them to forget their old homes, but nevertheless ask them to learn to look upon America as their new home, in which they are to live and die, and in which their children are to grow up generally known it is a fact that Maud S. into American citizens. Give them to unhas been stopped in her work, and it is not derstand that this country is as much theirs stand, cherish and defend our free instituthat Mr. tions, and that upon them as much as upon Brakspere, Gemsbock and Bran Dance to sponsibility upon them, teach them that to bounded satisfaction to his thousands of from the engagements made by Mr. Keene. offers they must become Americans in fact Teach them that it is in this sense that you believe in America for Americans, and they will not quarrel with the doctrine.

> Ir was rumored to-day that the parties who have been under wheat here and in Milwaukee for some months past, sold out during the "bulge" of last week. moreven went so far as to say that they sold about 150,000,000 bushels at an average profit of about nine cents, making the snug sum of \$1,250,000 after paying all expenses. is famous, and They may have sold so much, and ma much profit, and yet not be out of the deal. Thev certainly sold freely during last week, but the indications are that somebody is vet under it. Of course no one knows for how long. The history of the wheat market will probably be repeated to this extent. Prices the light weight of 89 lbs, against 126 lbs. on advance to a point where the monopolists Fernandez and 125 on Peter, for the Man-chester Cup one of the richest handicaps in erty. Those who have hold of it last invariably get left, and no one can invest without taking this risk. The secretary of the Cali-Jewett, who has the fastest three-year-old fornia Board of Agriculture estimates the whole crop of this year in that state to be only about 50 per cent. of the yield of last

Piles. Piles.

Drs. Wartman & Co., 906 Pine street, St. Mr. O. B. Dickinson is the owner of a Louis, Mo., positively cure piles without colt by Scott's Thomas out of Mand Wil-knife or pain. Not a dollar unless cured. Send for circular.

> The year's product of the Fairbault refinery, in Minnesota, was 600 barrels of choice syrup and about five tons of pure sugar of a shade some to the best softer. equal to the best coffee C, and equal to the best coffee A. It was all from Amber cane, and wholesaled readily at 81% cents per pound.

> PRUNING SHRUBS .- Among spiraeas, deutzias and many other shrubs a multitute of sprouts will now be starting from the roots. These should be thinned out considerably, watery, weakly sprouts. Some trees will be sprouting all over their stems; these sprouts had better be rubbed off at once, as if de layed they will have to be cut off. Forsythias

Mr. Mo., W filly ju Malon owned Am mand again honor

Ju

Lib

ican o perfor of Wa perfor But A for M colt F hest the g mone New tuck

your ing a had a best, safet RE bree after hard age, of ab

nerve

other

idenc

to im

saddl —the again one o stirre deper that cated be s —jue It one-l conse term

unloc

and u that may

that with Tifeet heavall or national or na

we tir an fri be the had but in fre de Tiles with the street at the quite the quite the treet at the quite the q

libe Stock Breeder.

Mr. J. Lucas Turner, of Columbia, fo, writes us that he has a chestnut lly just foaled, out of Bryonia by Jack wned by General Harding, of Tennes-

American horses are beginning to comand respect abroad. Iroquois has gain been triumphant winning much an owner, Mr. Lorillard. His last erformance in winning the Prince f Wales Stakes was even a greater erformance than winning the Derby. But American honors do not stop here, or Mr. J. R. Keene's American bred olt Foxhall has just defeated all the est race horses in France, by winning the grand prize of Paris, and bushels of money besides. Mr. Keene lives in New York city. Foxhall was bred by A. J. Alexander, Woodburn farm Kennicky. He is bay and was foaled April alst, 1878. He is by King Alfonso and his dam was by Lexington.

Breeding Aged Mares.

Col. Colman: I would like to have of a mare nine years old, who never had a foal—and if safe which would be of horses, is in the city cort allerge or small horses.

REMARKS.-There is no danger in fter being trained and trotted in the ardest races all their lives, were neither ge, and both had foals without trouble. N. P. Rogers, for \$8,080. breeding, it is better to use animals fabout equal size, but a little variation ither way will make no difference.

Hints to Young Lady Riders.

If a young lady be possessed of good erve, teach her to ride by all means-not therwise, as it is flying in the face of Provence; but do not allow her for a moment imagine that in the curb-bit, the pomels, and the stirrup, there is safety.

First let her learn to sit square upon the ddle, with a light hand upon the rein the lighter her hand the less her horse ill pull, and vice versa (at using force gainst force she has no chance); and let ne of her first lessons be to ride without irrup, so that at any time she may be inependant of it, and never so ride upon it take ther foot driven home, cannot be extri-ted in a moment. The habit should not e so long as to impede her movements
just long enough to cover the foot. Then case of a fall, she may escape unhurt.

It may safely be conceded that at least

ne-half of the accidents of ladies occur in onsequence of cowardice or nervousness, or hatever it msy be called, which simply nounts to a want of nerve to act with dermination at the sudden appearance of an nlooked for danger. A scream and the reins are gone; the

orse catches the contagion of fear, and a casualty, which might have been averd by one atom of confidence on the part of

Founder.

at the animal has not eaten well, and can this country the better." arcely move from the stall. The lameness e Connecticut Board of Agriculture, said

thin thirty hours of the attack. The first thing to do is to place the horse's warm water, then blanket l over. The lameness is caused by a stag-tion of the blood in the feet, caused by beg cooled too rapidly after exhausting labor. he warm water thins the blood, extends d softens the blood vessels, and favors ineased circulation. In very bad cases, bleedg in the foot may be necessary, though or-narily it may be dispensed with.

Knowing the cause of founder, it will be en that it is much easier to prevent than to are this disease after it becomes established. nd over exhaustion, but if abuse of this ind is unavoidable, see to it that the horse the has risked his life in the service of his paster is not neglected at the end of his purney. Drive into a warm shed or barn, ree from cold draughts, and rub vigorously Il the animal is dried off. Give warm waor to drink, and cover with warm blankets.
In short treat the horse just as you would reat yourself under like circumstauces.

How to Tr at Young Colts.

It is seldom necessary to handle foals till eaning time, but as some foals are very mid, it is well to get familiar with them, nd particular care should be taken not to righten them unnecessarily. They should eapproached gently, and allowed to smell he hand before making any attempt to andle them. Coax them with a dainty unch of clover or green oats, or some temptng kind of food. If they refuse to take it from you, never throw it at them, but lay it lown on the ground where they can find it. they will observe your motions, and soon earn that you intend to be on friendly terms with them. Thus you will soon be able to troke them first on the nose, then on the

not wish to cultivate a closer acquaintance. be too many cattle of this kind in our Colts sometimes become troublesome by becountry. They are the best for the consumer ing too much petted. It is then only neceseverywhere and under all circumstances. sary to check them by gentle correction and less familiarity. You having gained their good will, it rests with yourself how much of

Having arrived at a proper understanding, lly just foaled, out of Bryonia by Jack avoid playing with them or teaching them falone, sire, imported Great Tom, tricks, such as nipping or kicking, as it may rney should be lightly rubbed down occasionally with a wisp of straw or a soft brush, commencing at the neck, then down the your shear will be a few years back and sides the neck. back and sides, then the fore legs may be rubbed, and afterwards the hind legs, if the colt is gentle; if not, do not be in too great onor and many shekels for his Amer- a hurry to go all over at one time, rub the fore legs and gradually work back till he be-comes accustomed to it. Then take up one fore leg and handle the foot. Another time try the opposite leg, being careful not to irritate or frighten the colt by so doing. Stroke them down after each handling, and always leave them in good temper.

This treatment practised once or twice a

week at first and occasionally afterwards is all that is necessary the first winter.

Ranch and Range.

Mitchell & Presnell arrived with two herds of about 3,000 en route for Ogalalla.

Tom Connell, of Foliad, passed through Tuesday with 700 horses for Caldwell, Kas. Texas Live Stock Journal: W. R. Moore. of Shackelford, starts with a herd for Kansas in a few days.

of 3,000, arrived Saturday, and will be held

Charley Boyce, who is driving 1,000 head pest, a large or small horse, as regards afety? J. E. DAY, Buckley, Ill.

A Johnson county stock man sold 200 reeding a mare of that age, nor of any steers last week at \$30 per head. Another ing common in the older States. As to polled ge. Flora Temple and Goldsmith Maid, at \$34.

Fort Griffin, Texas, Echo: J. J. Ramey this week sold his stock of about 800 cattle them bred till after twenty years of on the range, 12 horses and ranch to Mr. Andrew Crane, foreman of Moore & Allen.

was in the city Sunday and departed for the round-up. He informed his employer that they will sustain no loss of cattle. Dodge City (Kas.) Globe: Mr. Hannah, who has been holding cattle on the Beaver,

started for New Mexico, where he expects to purchase 1,000 head of beef cattle, which he will drive to this market. The Culbertson, Nebraska, Sun in speaking of the recent round-up in that vicinity says: "The cattle were in as fine condition as they

ever were before at this season of the year,

dle, where he already has quite a herd.

A herd of 2,560 head of steers belonging to A. H. & J. E. Pierce, of Matagorda county, passed here last Thursday en route to Caldpassed here last Intrically en route to cauch well, Kas. The herd was in charge of Geo. C. Gifford. The Messrs. Pierce are among the most extensive stock dealers in the State, owning their own stock pens on the coast owning their own stock pens on the coast.

A great combination sale of short-born catbe victim, is the consequence. By careful state of the st

The following from the Las Animas, Coloay be chiefly in one limb, or in more than rado Leader is "given for what it is worth:"

e. Dr. Cressy, in his recent lecture before Mr. Powers, this week, delivered a yearling, pure blood Hereford, sired by at any case of founder can be cured if taken \$250. He sold to W. W. Jones, of Granada, another thoroughbred sired by the same, of the same age for \$300. As showing the difference stall-feeding beef, yet it is the proper avily, and get the animal thoroughly warm the two breeds are now held by stock men, an

> up during the remainder of the year, it will be the banner year for thoroughbreds. East-Old World, and in turn the fine stock breeders sell thoroughbred and grade bulls to the western beef grower. The spirit of improvement was never more general than to-day.

> The foot-and-mouth disease is rapidly spreading in England. Infected districts ar peing separated and individual herds quaran tined. The loss promises to amount to many millions of pounds sterling. Every care should be taken by our government to prevent the importation of this disease by means of breeding animals or otherwise. Farmers in England who do not report to the authorities cases of outbreak of this disease, are heavily fined for the offense. One farmer had to pay \$75 fine. They do these things differently in England from this country.

> A sale of short-horn cattle, 55 head, will take place at Oskaloosa, Iowa, on the 30th inst., which will afford a fine opportunity for yearlings, and two years old, representing the animals that may be sold. Wm. T. Smith is the owner of the herd to be sold, to whom applications at Oskaloosa, Iowa, can be made

Sheep are becoming popular with the masses of western farmers, who seek to in-crease their profits by stock raising and at the same time improve their soil, raise more grass, have less labor, and make more money A pound of mutton can be raised as cheap as cause trouble to break them of it afterwards.

They should be lightly rubbed down occatra profit. Head to the daily as the market, and is worth equally as much in the market, and the wool is exbe as of profit.

It is often that Cotswold sheep weigh as much as 300 lbs each, but to raise them to per ection requires abundant of rich pastur age. A few heads of Cotswolds well attend in our section, the Southdown is decidedly our choice; for wool the Merino is unrivaled. Southern Live Stock Journal:

▲ New Mexico paper says: "Breeds of cattle, like mining districts, have their boom. country over the short-horns are just getting months of summer and scarcely three mation of a woolen manufacturing stock thoroughly established and are beginning to be appreciated, while the Herefords, it is to be hoped are far from being at the "zenith of their these advantages it certainly requires seems to be a good chance for an energetic hoped, are far from being at the "zenith of their popularity." Indeed, they have not been fairly introduced in the great western cattle growing regions as yet, and are far from bescents per pound.

Seems to be a good chance for an energetic young American manufacturer, who has some capital. There is no doubt that, wellmanaged, several woolen mills in Ireland
would yield handsome profits. But of average number of each herd could be enu-

A single shepherd and his dog will accom herds could do without dogs: and it is a fact that without this docile animal, the pastoral life would be a mere blank. Without the sixpence. It would require more hands to whole stock would be capable of maintainincontinuous that season of the years in the severs winter."

Last Thursday Mr. D. C. Cantrell started in his dog; he it is indeed that earns the family's bread, of which he himself is content dred head of two and three year olds, on a drive for his ranch, which is in the Pan Hanand always ready to exert his utmost abilities die whose he already has quite a herd.

Whole stock would be capable of maintainin line well may the shepherd feel an interest octon at 8 cents per pound.

I get for my wool 32 cents at my door for table-washed, and if I send it to St. to table-washed, and if I send it to St. Louis I get 36 cents. It costs me about 9 that market, per pound.

Per pound for bacon, with which to make by the elaborate statistical tables or bowes in the statistical ta dle, where he already has quite a herd.

The annual series of short-horn sales by the Hamiltons, Vanmeter & Hamilton and him from his side; he will follow him through particularly borne in mind by every breeder it is sometimes long before he will acknowledge the new one, or condescend to work for him with the same willingness as he did for his former lord; but if he once acknowledge

SHIPPING SHORTHORNS WEST .- W. P breeding purposes. This heavy sale should 105 are bulls, for Sun river, Montana. The call out a ver large attendance of buyers, as latter are to be used exclusively for breeding

Said a butcher to us a day or two World. It should be the since—"it is almost impossible to get good beef for love or money." He also added that "good beef" was never so added that "good beef" was never so summer management of sh high in this market as at this time. Now here is a lesson for our farmers. between the demand or the esteem in which the two breeds are now held by stock men, an equally good short-horn is harder to sell at \$100 than a Hereford at \$300.

Importations of thoroughbred cattle thus far this year have been greater than ever before, and if the present free movement is kept up during the remainder of the year, it, will former should be fixed by the transfer of the year, it, will former should be fixed by the proper time to make preparations in order that they may do so next winter. They can put the seed of the corn, the potatoes, the turnips and the carrots into the ground at this time, so they will have the where-withal to fatten beef, in any quantities next winter. Most every farmer should at least stall-feed half a dozen head of cattle during the winter. fall.—Ex.

Che Shepherd.

Edited by R. M. Bell, of Brighton, Maing to this department should be addressed

Best Large Sized Breed of heep. EDITOR RURAL WORLD: K. crosses that would perhaps answer his purpose as well, but I know of no fine troke them first on the nose, then on the leck, and so forth. It is not well to slap hem about the hind quarters till you are on pulte familiar terms with them.

There has during the past fifteen years level as the proper time to cultivate their acquaintance in earnest (being weaned from their dam, they naturally turn to man is their best friend. Alas! how often are their best friend. Alas! how often are their best friend. Alas! how often are they deceived); here you have them more mider your control, and now is the proper dimeter your control, and now is the proper time to content to seven-eights up to the first consequently and the first confined to their loose box there were they deceived); here you have them more mider your control, and now is the proper time to content to seven-eights up to the first confined to their loose box the great bulk of the cattle that have been though cattle of this kind of the cattle that have been and it has been through cattle of this kind of the cattle that have been and it has been through cattle of this kind of the cattle that have been and it has been through cattle of this kind of the cattle that have been and it has been through cattle of this kind of the cattle that have been and it has been through cattle of this kind of the cattle that have been and it has been through cattle of this kind of the cattle that have been and it has been through cattle of this kind of the cattle that have been and it has been through cattle of this kind of the cattle that have been as steady improvement in the quality of mess' prolificness, early maturity or grow misgoverned during the last four centuries. In the cattle that have been as teady improvement in the quality of the cattle that have been downs. The Shropshires furnish as the observable of the mess' prolificness, early maturity or grow misgoverned during the last four centuries. In the cattle that exces dressed beef to the English markets. Graded their to show them that you are really their cattle from one-forth to seven-eights up to the blood have been taken to fill this kind of the occasion to give them something from the hand, a little salt, a handful of oats, an apple, or potato or carrot, or something to tempt the appetite until you have attained a sufficient hold on their friendship, and do

dressed beef to the English markets. Graded and even more, large enough to meet the pand even more, large enough to meet the energies largely in building roads, schools, the requirements of the export, and the blood have been taken to fill this kind of the early lamb trade, and our butchers want nothing heavier. And, in connection with their superior mutton qualtities they also furnish a good fleece of this kind. The higher up in blood the better.

We shall never see the time when there will wool weighing from nine to fifteen

pounds, much sought by the wool trade. I would never advice the crossing of different pure breeds, so long as we have pure breeds that meet every re quirement. These will breed more true to a certain standard whereby, in hav-ing a certain line of crosses it is often difficult to procure series of the same make up to perpetuate the mixture in the same ratio. And the flock will never be uniform, as they will continually breed to one side or the other. At the same time it is to be remembered that more than one good quality in the heighth of its perfection cannot be produced in one and the same animal.

J. E. M., Belleville, Ill.

Sheep in the South.

as we are, with our almost perennial pastures checkered with the streams of the purest living water; thus rivaling and even surpassing as a sheep pasture, and the flower-laden pampas of the lone are the flo

With all these advantages in favor of wool and mutton it is very rare to find previously acquired knowledge of the ground. a man who pays any attention at all to leeland is best reached by way of Edinmerated on one's fingers. The two or three a man who pays any attention at all to leading races of beef cattle will never be at his few sheep that are scattered about the "zenith of their popularity" while the markets of the country are flooded with scrub over the woods at the mercy of dogs and The fare to Reykjavik, the capital, or to Akuand their negro companions. Within reyri, the port mentioned above, is from the last few months parties from differplish more in gathering a stock of sheep from a Highland farm, than twenty shep-in this county and the one adjoining— (Ouachita) about fifteen hundred (1,500) ably sent to Iceland. I saw petroleum, head of sheep for the nominal sum of above American prices.—Willara Fiske to shepherd's dog the whole of the mountain-ous land in Scotland would not be worth a system of the mountain-ous land in Scotland would not be worth a strenge of the mountain-their prairie ranches to get \$2.50 @ \$3.50 each for the investment. I am ridiculmanage a stock of sheep, gather them from the hills, force them into houses and folds, ed for giving \$50 for a ram by parties and crive to market, than the profits of the who are to-day paying merchants 14c. mal is the pure bred Angora goat, as shown whole stock would be capable of maintain- per pound for bacon, with which to make

cents a pound, everything considered, to raise cotton so that it is actually a retro-Messrs. Muir, Lary and Pierce, to be held at Mr. Sterling, Stock Place, Winchester county, and Clintonville, Bourbon county, Ky., on the other hand it does on the 27th, 28th and 29th of July, should be for the mis obliged to change masters, and through fire and water, as the saying is, and through grade business if a man counts his costs of South Carolina, a ewe that has often, the closely. Now, on the other hand it does not cost me 25 cents each a year to keep on the 27th, 28th and 29th of July, should be for the mis obliged to change masters, and through fire and water, as the saying is, and through grade business if a man counts his costs of South Carolina, a ewe that has often, the season through given four quarts per day of as good milk as any Jersey cow on his farm.

An Angora will thrive when a cow would be season through given four quarts per day of as good milk as any Jersey cow on his farm. grade business if a man counts his costs my sheep, while to their credit may be placed 7lbs. unwashed wool, besides, the other items of manure and often two lambs. Revolutions always come slow-ly, but are none the less certain in their effects or salutary in their influence, and a revolution is just as certain to take although themslves producers, depend upon another for the necessaries of life. I hand you, herewith, samples of my ool with the following average yield: My % bloods yield annually, 9 lbs. 7 oz. My scrubs all the way from 1/2 th to 3

through the columns of the RURAL "vade mecum"

I have chalked out an article on "The summer management of sheep" that I will send soon. With best wishes for your success in advancing the cause of sheep husbandry in the south. I remain CHAS. T. GORDON. very truly, Mt. Holly, Ark.

Sheep Husbandry in Iceland.

I have recently returned from a sojourn of some months in Iceland, during which I not wanting mind, money, and energy to quantities next winter. Most every traveled over the whole country, besides maka ing a trip around the island, in one of the ern breeders are infusing fresh blood into It is mighty convenient to dispose of a their stock by purchasing from herds in the few fat bullocks off of the farm in the Iceland is noted for its sheep culture. The spring, receiving therefor double the flocks have been largely diminished of late they were worth the previous years by the scab, which has now, however, totally disappeared. In spite of this the number of sheep, by the latest accessible offi-the benefit to the individual, we will refer to cial report, is over half a million, and this will increase during the next few years. The grazing is excellent, and sufficient, I should judge, to maintain two or three times the growth of native mohair. We refer to the number of sheep usually kept, provided the meadow-land could be extended, or a certain quantity of pressed hay be imported. The rannufacturers. The value of mohalr in the exports of wool approach two millions of worsted industries of Bradford, Saltaire, etc., meadow-land could be extended, or a certain wishes to know which is the best large pounds, but much is consumed by the handsized breed of sheep for both wool and looms of the country, or knit by hand into mutton. Now without wishing to de- mittens and socks, of which many thousands long been known to the artisans of India,

consumption as cloth, the wool thus passes desirable qualities.

Of Interest to Wool Growers.

LADD'S TOBACCO SHEEP DIP IS NOT POISONOUS, and may be used with perfect safety to the animal and those applying it. It is guaranteed an immediate cure for Seab a d prevention of infection by that terror to flock masters. GUARANTEED to more than repay the cost of application by increased growth of wool GUARANTEED to mere than the fleece, instead of injury to it as is the resu to the use of other compounds GUARANTEED to destroy vermind on the animal and prevents return. GUARANTEED to be the most effective, cheap and safe remeity ever offered to American wool-growers. We have the most undoubted to timonials corroborative of the shove. Certain Cure for Seab and Vermin at any season of the year. No Flock Master should be without it, to cell un more than many unrelable preparations advertised for the purpose. Has proven a PERFECTSUCCESS WHEREVER USED. Its sale exceeds all other Dips combined, because it is the best. The leading flock-masters from Dakota to the Gulf unite in pronouncing it the ONLY CERTAIN CURB FOR SOAB AND VE. MIN to be obtained. Send address for our new pamphite containing (estimonials, latest methods for treatment of Seab and Vermin, plans for dipping, apparatus, etc.

20 28-cow

LADD TOBACCO COMPANY, NO. 21 N. Main, St. Louis, Mo. d'or free di-tribution LADD TOBACCO COMPANY, NO. 21 N. Main, St. Louis, Mo.

age. A few heads of Cotswolde well attended to will pay anyone well, as they yield heavily of wool as well as mutton. The Southdown is a better sheep for mutton purposes than the Cotswold where the pasturage is not very fine. They are hardy, but smaller than the Cotswold and larger than the Merino. They are not much bred in the Gulf States, but are giving splendid satisfaction wherever they are known and introduc.

MR. EDITOR: In the RURAL WORLD five considerable mercantile establishments, to which the farmers living in a considerable extent of territory resort to dispose of their products, and to purchase their supplies. The climate is so good that potatoes and other garden vegetables are largely grown. There is a good common school, a public library of 5,000 volumes, and within a few miles, an excellent technical school. There is a capital water-power of such a character is a capital water-power of such a his success in this comparatively new field of southern enterprise. Situated as we are, with our almost perennial as we are, with our almost perennial as we are, with our almost perennial southern enterprise. Situated that no damming or sluice-ways would be used all the 30, 149 \$6.45. 160 at \$5.50, 250 at \$5.55, 100 A New Mexico paper says: "Breeds of cattle, like mining districts, have their boom. The day of the short-horn excitement is well nigh over. The Herefords are at the zenith and the flower-laden pampas of the lone at the zenith cattle flower-laden pampas of the lone at the zenith cattle flower-laden pampas of the lone.

na few days.

Doc Burdett, with the first through herd of 3,000, arrived Saturday, and will be held cartle is just beginning." This assertion may possibly be true of that locality, but taking the contribute from 15,000 to 20,000 to 20,0 would yield handsome profits. But, of course, no step should be taken without a

burgh (Leith), Scotland, whence two lines of four to five pounds sterling: time of sea voyage, four to six days. Very many of the educated classes speak English. American timber and grain could be profit-

The Angora Goat.

The most valuable known lanigerous aniby the elaborate statistical tables of Bowes

Properly fed, and when slain, dressed it is in no sense inferior to the best Southdown mutton. There is it the flock of Mr. Watts. season through, given four quarts per day of starve, and six goats will subsist luxuriously where one cow will find needed subsistence. Six goats will do well on pasture that will support three Vermont Merinos, and they will go twice as far for food and water. will, if furnished with shelter, always seek it at nightfall and can and will defend themselves against dogs, wolves, foxes, etc. In nature they are unlike sheep in being carious, They can be restless and great climbers. restless and great climbers. They can be easily controlled by herders or kept within bounds by low up and down fences and show quite as much attachment to those with whom they are familiar as any breed of sheep.

In their native haunts in Central Asia Founder.

A disease that is far too common in working the animal till it is overheated, disease that is far too color of suddenly without rubing then hitched to a post in cold winter weather, and perhaps forcies, or smoking a cigar by a warm fire, ten by the driver, who may be telling the post winter and the more of them can be brought into the contract of the more of them can be brought into the contract of the more of them can be brought into the countract of the more of them can be brought into the countract of the countract tain this industry. With two or three exceptions, these efforts have been failures. Impure breeds, ignorance and negligence in in many cases, misrepresentation and often downright fraud in sales and importations, have been the causes of failure. Is there no remedy, and is it worth the while to apply it, if it can be found?

When the public weal, as well as private gains, can be advance, by the successful pur-suit of any industry, however the pursuit may be environed by difficulties, there is solve this problem. There are millions of acres in the United States, now useless, that are especially adapted to this husbandry; they lie all along the middle and southern ranges of the Appalachian chain, to say nothing of like areas in our Western Territories, and they can be had on nominal terms. If occupied, the gain to the nation in many ways would be very great. As to tively recent date and year by year rapidly assuming large proportions, each of which silk and worsted industries : the first being to-day in France and the other in England, cray any other breed, all have their of pairs are exported.

The exported wool is sold to the Danish men on the Continent and in England, who inst, which will afford a fine opportunity for investment in such stock. The herd to be sold and admirers, and will fill the sold has been thoroughly well bred. About places and answer the purposes for fifty of the animals to be sold are calves, which they were intended. I would pose of it to English manufacturers. These place of silk worms product at four times the merchants and sent to Demark. Thence it is the merchants and sent to Demark. Thence it is the merchants and sent to Demark. There is a remaking the fleece of the Angora—costing the merchants and sent to Demark. Thence it is the merchants and sent to Demark. There is a remaking the fleece of the Angora—costing the merchants and sent to Demark. There is a remaking the fleece of the Angora—costing the merchants and sent to Demark. There is a remaking the fleece of the Angora—costing the merchants and sent to Demark. There is a remaking the fleece of the Angora—costing the dwith a continuous arms and in England, who is sold to the Damsha and In England, who is sold to the Damsha and In England, who is sold to the Damsha and In England, who is sold to the Damsha and In England, who is sold say that the Shropshire downs will meet last manufacture it into cloth, and it goes the price of first cost; while the product in mentors. They should know that Kidneysay that the Shropshire downs will meet last manufacture it into cloth, and it goes the price of first cost; while the product in back through the same channels to Iceland, the fabric of mingled silk and mohair is not Wort acts on these organs at the same time, best families that are known among shorthorn breeders. Full pedigree and full particulars will be given with each one of the

through seven or eight hands,

There is not a single woolen factory in the advantages coming to all interests, from the It needs no arithmetic to figure out the Pittsburg Post. product on a large scale of such a raw material. To whoever should inaugurate, on a more nor less than a subterranean lake, covnew and liberal scale, this industry, with in-ered with soil about eighteen inches deep. tegrity and intelligence in the selection of On the soil is cultivated a field of corn which breeds and locations for the same, will surely reap pecuniary profit, but the satisfaction of knowing he has greatly advanced many and varied interests, intimately connected with the prosperity of all classes of the com-munity.—Cor. Wallace's Monthly

> I have used Higgin's English Salt and consider it superior to Ashton's. I ordered Hig-gin's Salt but the Ashton's was sent me and returned the Ashton's.

O. M. RICHARDS. Elmo, Wis., March 9, 1881.

WHEAT-Mediterranean: No 2 \$1 1434, No 3 \$1 08%. Corn—No. 2 white-mixed 47%c, rejected

OATS-Poor white at 33c, prime mixed at

RYE—Prime 80c, HAY—Dull. Strictly prime timothy at HEMP-Undressed \$70@90, dressed \$145

@155, hackled tow \$50@55.

BALING STUFFS.—Quote jobbing rates:
Bagging 2-lb jute, 10½c; flax mixed 10@
10¼c; hemp twine, 14½@15c; iron ties,
\$1 50 to 1 75.

POULTRY—We quote: Chickens—Hens \$3 60@3 75, mixed \$3 25@3 50. Cocks \$2 75. Ducks \$2, and turkeys \$6 to \$8.
Potatoes—Old: Peachblow 80@90c per bushel. New: Southern at \$2 50@2 85 per

brl, home-grown at \$3 per brl.
Onions—New choice at \$1 25 per bu. Green Peas-Choice at \$3 50 per bbl and \$1.55 per bu box.

1 55 per bu box.

Cuoumbers—Selling at \$350@4 per brl.

Tomators—Bermuda 75c@\$1 per peck.

SQUASH—Dull at \$2 50@3 per bbl.

WHITE BEANS—Dull. Western at \$1 25 @1 50; eastern—in demand—medium \$2 40

CHERRIES-At \$1 50@1 75 per 6-gallon New Apples-Red June and early harvest

t 50@60c per 1/3-bu box. Strawberries—A few lotsfrom Michigan

old at\$2 per4-gal case.

RASPBERRIES—Missouri at \$1 per 6-gallon ase, 60@70c per gallon for home-grown.
PEACHES—At \$1 00@1 50 per 1-3 bu box,

GOOSEBERRIES—At \$1 25@2 25per bu.
PLUMS—Wild goose at \$1 50@1 75 \$1.3 bu box, Chickasaw at 750 \$1 box. BLACKBERRIES-At \$3@3 50 per 6-gal case ORANGES-Messina \$5 50, Imperial \$6@

5 50 per box. Lemons—At \$5 50@6 00 repacked for Messina and Palermo. Bananas-Sell on orders at \$2 @ 3 50

per bunch. Sobertum-Prime at 30@33c. Honey-Strained dull at 8c, comb at 10@

SALT-Domestic at \$1 10@1 15, and G. A.

at \$1 25 per sack.

Game—Snipe \$2 50. Duck: Mallard \$2 50, teal \$2 50, wild pigeons \$1 00.

BUTTER—No material change since last week. The firmness shown early in the week was caused more by the favorible reports from the east than any increased demand here. Buyers are very particular selecting close and taking only fancy stock, while oversalted or off color is sold with difficulty and at low figures. We quote: Choice to fancy creamery

to good dairy 12@14c; common good dairy CHEESE-Choice full stock 9@10c; choice

20@22e; choice to fancy dairy 15@18e; fair

Eggs-At 11@12c. Wool-Missouri, fine 24@25c; medium With two or three ex-rts have been failures. 25@30c. Kansas, good fine 24@26c; ordi-rary fine 20@23c; good medium 27@28c; handling unsuitable feed and locations, and ordinary medium 24@26c; coarse unwashed 20@23e.

HIDES-Dry flint 17c, damaged 14c; dry salt 13c, damaged 11c; green salt 9c, de

aged 7c.
Feathers—Prime L. G. at 56c, unripe at 50@54c, old and mixed range from 10c to

Sheep Pelts—Large \$1@1 25, medium 80c, lamb 30c to 35c. Dry—40c to \$1; shearling—dry 10@20c. DEER SKINS-Prime dry at 40@41c, damp and meaty 30@35c.

CATTLE—We quote: Export steers \$6 00@ 6 15, good to heavy steers \$5 60@5 90, medium to fair steers \$5 00@5 35, fair to good

Colorado steers \$4 75@5 50, fair to good stockers \$3 75@4 25, fair to good feeders (1000 to 1100 fbs) 4 90@5 25, native cows (common to choice) \$4 00@4 25, common to choice native oxen \$3 50@4 25, good to choice corn-fed Texas steers \$4 50@5 15. medium to fair corn-fed Texas steers \$4 00@ 4 40, inferior to common mixed \$3 35@3 75 milch cows with calves \$18 00@42 00, veal calves \$4 00@8 00.

Hogs-We quote: Light shipping \$4 75 @5 35, Yorkers \$5 75@5 85, coarse to good heavy packing \$5 75@5 90. good to choice

SHEEP-Common to fair clipped \$2 75@ 3 50, fair to good clipped \$3 50@4, good to choice clipped \$4@4 65, stock sheep \$2@2 50. Lambs per head \$1 50@3 00.

How to get Well.

Thousands of persons are constantly troubmentors. They should know that Kidneywhole man. Hundreds testify to this .-

In Colorado is a ten-acre field, which is no produces thirty or forty bushels to the acre. If one will take the trouble to dig a hole the depth of a spade-handle, he will find it to fill with water; and by using a hook and line, fish of four orfive inches can be caught. The fish have neither scales nor eyes, and are

Wanted, A Farm, Improved,

or unimproved, near a Stock Range. Give description and price. Address, D. R. Paroz, 4008 Broadway, St. Louis, Mo.

THE SPINNER.

Two sat down in the morning time, One to spin and one to sing.

All men listened to the song sublime But no one listened to the dull wheel's dis

The singer she sat in a pleasant nook, And sang of life that was fair and While the spinner sat with a steadfast look Busily plying her hands and feet.

The singer sang on with a rose in her hair, And all men listened to her sweet tone;
And the spinner spun on with a dull despain

But, lo! on the morrow no one said Aught of the singer or what she sang. Men were saying, "Behold this thread!" And loud the praise of the spinner rang.

The world has forgotten the singer's name Her rose is faded, her songs are old; But far o'er the ocean the spinner's fame Yet is emblemized in lines of gold.

A Letter from Walnut.

Friends of the Home Circle, we propose the following question for debate, "Resolved, That the signs of the times indicate the downfall of the United States." As the leader of this debate, wait; read on. we will open on the affirmative side, and then, in two or three months give the closing arguments, and such comments as may be needed.

What are these "signs," that indicate to get rid of. Are not our jails and the decline and decay of our glorious country? Is it true that our nation is Let the Old World take care of her own destined to witness an ignominious fall, instead of the proud position as head of the nations of the earth? Is it true that we are even now, our second century scarce begun, sowing the seeds of discord, corruption and decay, which is discord. shall finally strand us?

citizens, carefully and candidly examine these "signs," and see if there is aught of truth in them; if so, then let us so live, and so vote, as to cast our whole influence on the side of right, of "communism," truth and justice. History teaches us spirit of our American institutions, that all ancient pations have had their that all ancient nations have had their rise, their zenith of power and glory, their zenith of power and glory, and their decline, and the cause of the foreigners who must have their "lager decay of these grand old nations, we beer," and revel in their "beer gardens" decay of these grand old nations, we think due to the corruption of the mind and heart of their citizens.

Greece, when she had reached the height of her glorious career, became an easy prey to the sturdy, valliant young Romans, because of the corruptness of her government; her people.

the hords of half savage Huns or Goths to attempt to change a popular custom, spread all over the country like a flood. Which has been established for ages. Had they maintained their integrity, and the patriotic spirit of the early Romans, Rome might still be a nation among nations; but prosperity was too much for her people; a long series of success in war, in statesmanship, in success in war, in statesmanship, in around to suit himself. civil life, had demoralized and corrupt-

the moral corruption of the masses, and arate States, legally recognize the first

The first point, of a corruptive nais that of the "literary trash"—dime novels, vulgar sensational story papers, etc.—with which our country is deluged.

These have a terribly demoralizing effect on the minds of the boys and young men who read them; and we re
The literary trash"—dime and schools of learning also recognize the first day of the week. And finally, when we remember that all the leading denominations, with their tewirt, the compositions abound with striking passages, beautifully denomalizing immense membership of intelligent, earnest, devoted christians, unhesitatingly accept the first day, as the Lord's control of the melancholic type of character. Some of the melancholic type of character. Some of the grand determines his chief virtue, weakness, or accomplishment, as the case may be. The blending of all the functions possessed by him makes his gentions of its sure punishment. All perhaps when have read these effect on the minds of the boys and young men who read them; and we regret to say, that even girls and women induge in the mind and soul poison, like the "Seventh day Adding the mind and soul poison, like the seventh day adding the mind and soul poison, like the seventh day as the Lord's day, while only one or two small denominations, like the "Seventh day Adding the mind and soul poison, like the "Seventh day Adding the mind and soul poison, like the "Seventh day Adding the mind and soul poison, that even girls and women induge in the mind and soul poison." Yes, 'tis May.

Instead of inspecting the ment All, perhaps, who have read these ment. All, perhaps, who have read these to the character—which, together with his physical make-up, distinguishes at last? Yes, after our "long and dreary winter." Yes, 'tis May.

Instead of inspecting the ment All, perhaps, who have read these the character—which his physical make-up, distinguishes the hotel man put in time writing an advertisement for the papers to the effect that if the seventh day advertisement for the papers to the effect that if the seventh day advertisement for the papers to the found in the mind and soul poison.

The volatile temperament, which is somewhat learned the seventh day advertisement for the papers to the first and the character—which his physical make-up, distinguishes the hotel man put in time writing an advertisement for the papers to the first day, as the Lord's day, while only one or two small denominations, like the "Seventh day Adding the character—which has physical ment. All, perhaps, who have read these the character—which has prophetic books have been struck by the hotel man put in time writing an advertisement for the prophetic books have been struck by the hotel man put in time writing an advertisement for the prophetic books have been struck by the hotel man put in time writing an advertisement for the prophetic books have been struck by the hotel man put in time writing and advertisement for the prophetic books have been struck Those of you who have never lived in a large city, can have no idea of the immense volumes of the wretched stuff which are read, nay, devoured by the or in any manner to desecrate the Sablower classes of society. You who have bath, or first day of the week? Pleas lived comparatively pure lives; you who love nature, and read nothing but an error, please correct. some, as "getting drunk" is, with others. becomes a prolific source of corruption. duties seem not quite so pressing. And pagne and fancy dishes generally, is Parents often set the example, and of course their children follow.

We were once canvassing for an excellent agricultural journal, and met a of their old customs-as is naturalfarmer—an acquaintance—on the road; prominent among which is the "beer- I feel sure that few gentlemen will fore rotund in person, equable in dis- and reports the process and result as we stopped him, showed the paper, and beer drinking; this, of itself, might not free themselves from its slavery if it brain. asked him to subscribe; he merely be a serious matter on week days; but, glanced at it, with a look of disdain, and as in the case of Cincinnati, and other replied, "I'd rather have my family read cities where Germans predominate, they the New York Ledger than the Bible." are able by their very numbers to pre-the new York Ledger than the Bible." What kind of home training do you thus have things their own way, revel-think the children of such parents ing carousing, and descerating the Sabwould receive? What kind of citizens bath to their hearts' content. will they make, with their mind thus warped, dwarfed and poisoned? O! it the multitude of homes, where children but not the right to do that which is As for filthings lock at helf the steam and privileges of liberty that we enjoy, fumes? Would she not be a little sick? "a felicitous association of objects not but not the right to do that which is are thus trained, how much is lost to them of real usefulness, of joy, of happines. Is not this worth the attention alarming source of corruption. of our new post-master general, in suppressing the vile stuff in the mails?

Our next point, is that of the manu-Gigantic monopolies follow close afuors as a beverage, which some one aptly called "the gigantic crime of crimes."

Intemperance is certainly the direct
and indirect cause of nine-tenths of all
the crime committed—of all the woe,

The same had taken place
wife defile herself trying to clean off
his spittle! Is not any young man commemcing life worth \$1,000 more without
the surface. The same had taken place
with those upon my face. My beard
the surface. The same had taken place
with those upon my face. My beard
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
with the surface. The same had taken place
the surface. The same had taken place
with those upon my face. We probably would not laugh at
the surface. The same had taken place
to give and receive bribes.

Free trade is not a source of corruption, like the above; but if persisted in,
more respect and love for a man without if your and taken place
with those upon my face.

Was placed. The same had taken place
to give and receive bribes.

The same had taken place
to give and receive bribes.

The same had taken place
to give and receive bribes.

The same had taken place
to give and receive bribes.

The same had taken place
to give and receive bribes.

The same had taken place
to give and receive bribes.

The same had taken pl the crime committed—or all the woe and misery, and suffering, and disease; adopted England's fatal free trade polmany accidents, attended with loss of icy (fatal for them, not her), have been and misery, and suffering, and disease; many accidents, attended with loss of licy (latar for them, not her), have been life and property, may be traced to the door of the saloon-keeper. Intemperation of the saloon-keeper, Intemperation of the saloon-keeper, Intemperation of boys. Dear friends, who have this jokes. Sometimes such people seem to a wonair international full people, whose full international full people work-houses, and hospitals; our asylums for the inebriate, insane, and the orphans; our courts of justice, criminals; our courts of justice, c

prisons, asylums, and poor-houses, and the expense of keeping them-of feeding, clothing and housing the inmates. The expenses of posicing large cities; of watchmen for breweries and distilleries; of collectors for collecting the revenue on liquors, is in the aggregate, an enormous sum, larger I believe, than the receipts from license and revenue on liquors combined.

All these, prohibition would prevent and save, for "an ounce of preventive s better than a pound of cure," and is

just as true in law, as in medicine. We cannot do this subject justice in this letter, but we wish to call your atrupting tendencies of intemperance, as one of the arguments on this question. Not only are those who indulge in this habit corrupted thereby, but their children, their friends; and their associates are all more or less contaminated. It tention to the corruption, and the corare all more or less contaminated. It is the effect of all this upon the future

of our nation, that concerns us now.

Our next "sign" is, foreign immigration.—Uniting with intemperance like the branches of a great river, it forms a larger stream of corruption. I fancy some of my readers will be surprised at

"Foreign Immigration," as a cause of corruption, we will divide into two parts. First, the influx of the criminal and pauper classes of European coun-tries, which the latter are heartily glad imaginary discovery of trichimosis in hall finally strand us?

American pork—and yet we fondly flatter ourselves on the rapidity of our inness as a statute forever? "And what-cal form only. To carry the comparisons of trichimosis in equations are edges; others have the plain elliptiter ourselves on the rapidity of our inness as a statute forever? "And what-cal form only. To carry the comparisons of trichimosis in equations are edges; others have the plain elliptiter ourselves on the rapidity of our inness as a statute forever? "And what-cal form only. To carry the comparisons of trichimosis in equations are edges; others have the plain elliptiter ourselves on the rapidity of our inness as a statute forever?" se in population. Alas, and in criminals, also

Second, that class of our foreign population which congregates in cities, and forms the organized mob-the element so contrary on every holiday they can get, Sunday not excepted.

This brings us to our next and fourth chief point, "Desecration of the Sabbath," which is closely connected with the occupant of the "beer garden."

Just here we wish to make a digres sion: We have no patience with discussion now going on, as to whether The vast and once powerful Roma Empire fell without a struggle when the heart of helf aware Harry Charles and the first or the seventh day is the true Sabbath. It is a pretty small matter at this late day of the world's history,

This question has, no doubt, become

Every civilized and christianized naed the people, and they fell. Shall we? tion on this globe, recognizes the first day as its Sabbath. The constitutions of the United States, and of all the sepwe wish to dwell upon a few causes, day of the week. Our Congress and which have a tendency to this effect.

The first point, of a corruptive, point of a corruptive p The first point, of a corruptive nature, to which we invite your attention,

the choicest of standard authors, can-them the right to worship on the sevnot conceive how others can like such enth day, or any other day their con-"trash;" but please remember, that it is thereby the right to violate or deservate a habit acquired when young, with our legal Sabbath. When they do it a habit acquired when young, with our legal Sabbath. When they do, it

> The foreign population of our large not be room for me. cities, and especially the Germans, have brought from their native land, some

eigners the right to thus violate one of eigners the right to thus violate one of America's most sacred institutions? America's most sacred institutions? America's most sacred institutions? We offer them the same blessed rights white Daisy look enveloped in tobacco once. Wit is defined by Webster to be my even to see if the unpleasant visions. I shut the comment is necessary to a large mass of snow or ice. deaf-mute wives. Little comment is necessary to a large mass of snow or ice. Wit is defined by Webster to be my even to see if the unpleasant visions.

tion, are all product ve causes of politi-

future. Bad company, swearing, to-bacco, dancing, dame fashion, theatres, lotteries, horse-racing, gambling, infidelity, Mormonism, etc. WALNUT.

The Sunday Question. "My dear child," said a mother to her

the child.

and some others go to the bad so soon. Speaking of one of her characters, she says, "this boy had all his life been accustomed to hear trifles magnified into great moral crimes. When he grew up he learned better, and naturally inthe mention of immigration; but just cluded real moral delinquencies in the s me class." I wish it understood that tion. I am strongly in favor of the quiet, orderly observance of Sunday as a day of rest. But will some of your correspondents, who are touching on this question, explain to me (and thousands of others) why we are obliged to oberve of these leaves are volatile, and flutter the first day of the week under the in the slightest breeze; others are sedate commandment to the ancient Jews and are moved only by the strongest to observe the seventh day, while at the same time we are not required to observe the tenth day of soever soul it be that doeth any work on son a step further, as no two leaves can destroy from among his people. Ye shall do no manner of work. It shall be a statute forever throughout your acteristics, or the same personal appearagements in all your diversity.

generations, in all your dwellings."

Now the observance of the seventh Constantine, a Roman emperor, to a nend and change this command of od from the seventh to the first (see God from the seventh to the first (see mind only, but in regard to all things spend much time and money in teaching our children that they shall hold it sacred, because God commanded the Jews, a few thousand years ago, to the conserve the seventh day, while we ut-mind only, but in regard to all things and how tiresome would be the waried, presaic scene! Remove ideality from man, and he would be unpleasing to the God who made him, for he could not, having lost this jewel, be unpleasing to himself. Emerson ridicules the latest of poetry heing exhausted; he says Jews, a few thousand years ago, to observe the seventh day, while we utterly disregard the still more solemn are prototypes. command, to the same people, to observe the tenth day of the seventh month. People will have a good reason for such things as they become intelligent, and they have a right to such reason. I repeat, I would be the last to change this custom, and deny to see it better observed, but I desire to put it on a strong, enduring basis. Let us then know why we must observe the first

"Maple boughs and tasseled willows Wake to weave the earth a crown, Sunbeams o'er the emerald clusters

call using tobacco a little selfish habit. wine and Limburger cheese, is therefree themselves from its slavery, if it brain. is so insignificant? Can that be a small Wit is an almost invariable accommore than all the bread in the United moderately phlegmatic mind. The States? Can it has so small when many is afternoon and the rind and sucked the balance of the railroad on Mexican soil. And he is a man States? Can it be so small when many Frenchman is oftener a wit than the of our best schools exclude all young Englishman, the Englishman is oftener men who practice it? Is it not an es- a humorist than the Frenchman. Amer-The question arises, have these for-tablished fact that it arrests growth icans, being a mixed up conglomeration cold, as if I were lying in close prox-Bell, the inventor of the telephone, both had As for filthiness, look at half the stove hearths in our land—what a spectacle pleasant surprise." Now, I maintain on my head, I found the pox on my head. alarming source of corruption.

Foul literature, intemperance, foreign immigration and Sabbath desecration are illuminated in the process of cleaning efter it is a small and sabbath desecration and Sabbath desecration and Sabbath desecration are illuminated in the process of cleaning efter it is a small and sabbath desecration and Sabbath d worked mother, if the additional task about by other means than words. For uded from the pox. It stained the napof cleaning after it is a small one. How instance, we see a young person mimic-kin I had applied to wipe it off. It a man should be ashamed to see his ing the actions or tones of an old perseemed as if each had given up its condigantic monopolies follow close afwife defile herself trying to clean off son. We probably would not laugh at
the surface. The same had taken place it is strange how many of these tobac-een co users have cancers, even to a woman inexhaustably funny people, whose fun I had plenty of cover over me, and a fire

fore of sin.

first decision about the bill of fare.

How like mirrors of the mind are the little daughter one Sunday, "you must letters of the Circle! Lloyd Guyot, in laugh are often objects of much secret put away that doll, positively. You are our selection of words the simplest landour selection of words are selection of words and words landour selection of words are sewing on its dress! I am astonished at once the most beautiful and the "Why, ma, what harm am I doing?
why may I not do so to-day?" inquired the child.

at once the most beautiful and the most expressive. Friends, what sort of a church have they at Excelsior that allows its members to dance? Do they nermit drinking too?

Minnie F., thanks for your kind words

Uncle Wesley, I try to harbor no little habits that do not benefit myself or others. In the tobacco habit, your practice greaks lower than a control of the process of the control of the process of the lower than a control of the co ers. In the topacco nablt, your practice speaks louder than your preaching. I am sorry you speak of few having power to quit, as you did, for I believe, by the grace of God, any man can quit.

I appreciate Bon Ami's excellent criticism of Lord Byron. cism of Lord Byron. A man's genius

instead of excusing his vices, only makes them more conspicuous. Lissa, thanks for your excellent selec-

VIOLET SHAW. Converse, Mo.

Some Types and Faculties of Mind.

People, in respect to their prevailing characteristics, may be compared to the leaves one sees in summer. Some gale. Some are furnished with delicate fibres and filaments; others are strongly and coarsely made. Some have he seventh month, although it is en- a taste for display—they bud out in cal form only. To carry the comparito be exactly defined or determined. A great diversity exists not in regard to "Stars which in earth's firmament do shine,"

functions or faculties of mind. I do not propose to amplify on all these count of this peculiar belief, the pesscientific divisions, for there is neither simist lives in an imaginary world, which is peopled with his own ideals. space in this journal nor ability in myspace in this journal nor ability in my-self to do so. I shall confine myself to ten induced by many actual and tangisome remarks on several of the pre- ble sins of which the mind takes cogday because the seventh day was indicated, and why we need not observe that tenth day, enjoined under the awful penalty of death, and enjoined to the phrenological functions, I mention to be a statute forward to be a statu to be a statute forever, throughout the generations in all their dwellings. I know the stereotyped reply that falls to year tiveness, self-esteem, cautiousness, benevolence, veneration, conscientiousness, if the old being done away," which evades, not answers. For why is this one left, if the old is done away with? Give us authority and not mere away with? Give us authority and not mere away. either auxillary to these, or the facul-ties of isolated abilities. The more ful-ly developed function in a person's type of characteristic of any particular nation. The Hebrew prophets, as a general thing, were representatives of the melancholic Give us authority, and not mere words. ties of isolated abilities. The more ful-

The volatile temperament, which is somewhat lengthy remarks, let me discover searrings, a set of diamond states gay and light, sad and depressed, by all who may read them to cultivate six scarf pins, pair sleeve buttons, gold those faculties which make them nobler. turns, is one not unfrequently met I have said nothing of the good and bad Cast their golden tribute down."

With. The French, as a nation, are said faculties. All know them enough. It is not so much what we are made, but to be its best exponents. Dutch, as a like of the good and nothing of the g greetings. I have just been wanting general thing, have the phlegmatic- what we make ourselves, that conto write to the Circle for ever so long, the exact reverse of the volatile or sanbut it seems business before pleasure; guine temperament. A friend conceives tures, we may conquer them. and after a siege of house-cleaning in that this dissimilarity originates in the if never tempted, and the temptation

then I have felt, like Daisy, there might consequently agile, frothy and change-cometh. able. His Dutch neighbor making a Dear Daisy, I am surprised that you substantial meal of bolognas, Rhine

There are a number of lesser causes; one, and must stand, as I said, in its merriment. They are undoubtedly boons every case of small-pox, if administered heaven! where are the other five?"

60,000 drunkards' graves, annually. Intemperance involves the cost of these future. Bad company swearing to ore of sin.

Semper Fidus, thanks. Widower, as laughter. Holmes, in the "Autocrat," quinine is in intermittent fever. therefore publish my experiment, how you have explained everything so nice-ly, I will be silent; thanking you for the us. However, this may be, it is certain report the result to me. that persons who can always raise a

Phlegmatic minds, says Hickok, are

vere brain-work. A nervously organized man may, often does, possess more bed. ability than his phlegmatic friend, but day," was the reply.

Cousin Charlie, since I have found out how much you run around, I will not accuse you again of surplus funds, as I have noticed those who do so are Sunday-school book, not long since (a sample of the stuff our children read).

Cousin Charlie, since I have found out how much you run around, I will not accuse you again of surplus funds, as I have noticed those who do so are like the rolling stone which gathers no like the the fineness of his organization renders temperament. An example of the musical person, trained into respectable mediocrity, is the average girl of to-day. Her performances, however, are some-Her performances, however, are sometimes like those of a phonograph—the instructor has dinned the chords into her memory, and she by dint of a piano, reproduces them for the æsthetic improvement of her auditors. The writer provement of her auditors. The writer once heard an exceedingly healthy look—"What the blagge do you more the footboard.

"What the deuce are you doing there?" roared the incensed steak. Stretcher.

Now, keep cool—take it easy—don't get excited," said the intruder, blandly. ""this all your own fault."

"What the blagge do you more the footboard. provement of her auditors. The writer once heard an exceedingly healthy looking young lady sing these lines to the air of "Silver Threads Among the

"Something tells me I shall never See the summer flowers again."

I couldn't help thinking that, in my opinion, she would see them about fifty more times, should she live man's allotted space. How often does this irrepressible sense of the ridiculous dispel our fairest illusions? Let no one, however, be discouraged by these slightly sarcastic remarks. Piano music has a beneficial effect in tending to repress the "weak, washy, everlasting flood" of twaddle which amounts to zero, and the seventh month, although it is enjoined in Lev. 23d chapter, 27th verse, with neculiar solemnity and coarsely made. Some have which is usually indulged in by the average young person. And, besides, it beauteous forms, with ornamental, series often worth listening to for its own

Ideality is the poet's and imaginative writer's faculty. It holds more or less garine we want," growled the hadsolver sould be that doeth any work on son a step further, as no two leaves can sway at all times, and in all nations. destroy from among his people. Yet er of ideality—is true. He conceived that poetry's true end is the artistic deacteristics, or the same personal appear-lineation and praise of the beautiful in ance. The generic and primary colors any form, although it has been prossy is not so solemnly enjoined, nor sit ordained to be observed forever, many specific and secondary tints, and set we have allowed the authority of blendings of tints, no one of which can constanting a Roman appear are to a pleasant landof mind are, of course, mingled with trated to baser objects. Ideality will rescape. Remove the

are prototypes.

Phrenologists recognize several distinct types, and thirty-five special functions or faculties of mind. I do

somewhat lengthy remarks, let me urge four seal rings, a set of diamond studs, Though we be created with bad nagood or of ill, let us make the work beautiful in the eyes of the Master who ÆNON.

LEMONS FOR SMALL-POX. An Ironton, Ohio, physician treated

himself for small-pox with lemon juice, dollars more than he lost.—Danbury News. follows: I squeezed all the inice I possibly could out of one lemon into a glass, to which I added about two tablespoons pon has long been needed. juice. In about twenty minutes I took another lemon, and used it in the same Mexico to, in his will.—Peck's Sun. manner. In a short time I felt very

THE SKIDMORE BUTTER.

"The affable and gentlemanly" prietor of one of our leading hotels had just finished his first forty winks after those best adapted to continuous, se- retiring the other night, when he was conscious of a slight noise under the

"Come out of that or I'll blow you

but the hotel keeper could perceive

"What the blazes do you mean?"
"What the blazes do you mean?"
"Why, I have been trying—my name
is Sliggs, agent for Slushington &
Slezey, Philadelphia—I've been trying to see you for two weeks. Wanted to show you a patented article of the

greatest value to your business."
"Don't want to see any agents—but what on earth do you mean by—"
"I was just going to explain," interrupted the cheeky customer. "I de rupted the cheeky customer. "I determined to see you at any risk, so I just hid under the bed. You see I wanted to get at you when you had nothing to bother you. Plenty of time to talk, you understand."

"Well, of all the gall!"

"I won't detain you a minute" heatile.

"I won't detain you a minute," hastily continued the agent. "I am trying to introduce a patented article of butter,

"But this is another article entirely. It's a composition of semi-liquid rubber, colored and manipulated so as to re semble the best clover-fed butter. By its use the boarder of the period can be brought so as not to eat any butter at

"Don't believe it," said the dyspepsia

aggravator, incredulously.
"But it's a fact all the same," went on the agent, sitting on the footboard and lighting a cigarette. "You see the guest puts his knife into the butter, and proceeds to butter his bread. That is, he thinks he does, but the rubber merely yields to the pressure of the merely yields to the pressure of the knife. Instead of the portion being re-moved it really slides back to the original roll as he withdraws his knife boarder imagines he has spread the bread, however, and eats it contentedly. You know how much imagination has to do with these things, any-

"Big money saved, if the thing really

worked," mused the landlord.
"But it does work," persisted Mr.
Sliggs. "There are twenty-six restaurants and four large hotels using it in Chicago Big success, too. Doesn give the bread that peculiar—ahem! peculiar wheel-greasy flavor of regular notel butter. Besides, there are no hairs and things. If it wasn't so dark \(\) show you a sample that has been in use over eight months. All you have to do is to freshen it up with a little water and a wooden dye once a month, and there you are.

"I'll think over it," said the great American "extra" charger, thought-

fully.
"Do so, and I'll see you in the morning;" and after tucking the covers around the landlord's feet and bidding him a cheery good-night, the butt agent unlocked the door and slid out.

Instead of inspecting the from a room in the hotel, would return Post.

Scraps of Fun.

-Never cry over spilt milk. nough water in it already .- N. Y. Herald. -It is rumored that David Davis has bought Rhode Island and contemplates having it sufficiently enlarged to be utilized as a family burying ground.—Yonkers Gazette. -It pays to advertise. A Bridgeport man

was returned to him it contained over twenty -Spoons with a bowl at each end have ade their appearance. The Elmira Gazette

advertised for a lost pocketbook, and when it

thinks an invention that would enable a pair of lovers to eat ice cream with the same wes that never says much about his personal af-

fairs, it is not known who he intends leaving -Morse, who invented the telegraph, and

when everything is quiet.—Lowell Citizen. -It's a useless waste of money to go to Europe for pleasure," says a level-h change. Yes, that's so; as we have always contended. And, besides, it's a miserable,

ong, sloppy walk for an editor. -Middletown Transcript. -"Have you read the Testament?" asked Keokuk girl of her bosom friend ; "perfectly splendid, and they say it's revised, too, but of course this is the first time the story ever been published in this country."-Keo-

kuk Constitution. -An exchange has an article on "Dressing Hogs by Machinery." Now it may be all right to dress hogs by machinery, but suppose the machine should get working to fast, and tear the only pair of pants the hog had into smith what would the smart inventer do then?-Marathon Independent.

-Mrs. Agassiz found, one morning, in one of her slippers, a cold, little, slimy snake, one of six sent the day before to her scientific

FACTS COL The other e proprieto s and mena cking his te cellent circ tall, sun-l ith pine bu ck of sass

June 23

coached and "Be you th The propri oth Mastod hat such wa

"Then," pr ountains, " e an offer aliforny lic "Good spe s man. "Good? res eleven the tip of elf when a "Hum-g "Appetite oint-that' ay-I call akes every

"Savage, e "Well, no all Jay say nawing up eak—have articular o unchain hout th id the hip ut three big as a ne one di

d been lef

makes his ould for a

und: and ulgy-like, a ve kinder "Materna an, thoug "Exactly. at first, a suffered at as mos sm and th 'And did vhile, espe rning 8 u see-di st. As al

ut from u hops, and oated—mo once kne Provider affliction 'Looked Well, as good deal eech-load en arrive C. A. So y forbear ess, and s

> merciful another

What h Well, or

the store uld alon rit was b ir, or not me alone out as bi at the dr her Skid for his o like ma shove t d touch ut it wou pring's to ad the bu nd tied con days. "After hained?"

nd anoth st week erself. I ouple of en I sort gave G metic rig ut of him hoes and ite—too ings in ind the h nt as po and tooks said

Well, I

et a chair

hat ever "Don't yeast," refter a pa
"Well, I
aid Mu
There's s lustering
lke partir
ot, as it
hough, n
orter fee

o supportound to nce this rike a b

oing up nd perha noney to

excellent circus hotel, the Russ House, tall, sun-burned, baldheaded man, with pine burrs in his clothes and a tick of sassafras in his mouth, approached and said:

"Be you the wild animal man, mis-

The proprietor of the "Double Mammoth Mastodon Aggregation" admitted

that such was the fact. "Then," proceeded the party from the mountains, "I think I'll get you to make me an offer for a large sized healthy Californy lion I've got."

"Good specimen, eh?" asked the cir-

cus man. "Good? Well, I should say so. Meas-

said the hipodromer.

Is would say not. Now, frinstance, that three months after Jay got to be a big as a boarding house sofa, I came home one day from a picnic and found he had eaten up old Aunt Maria, who had been left at home to mind the house —leastwise she was nowhere to be found: and as Jay Gould seemed sorter bulgy-like, and kept coughing up hair-

"Maternal aunt?" inquired the show

etter call it square." And did she

out from under the bed licking his chops, and with his tongue a good deal ated—mother-in-law was always takng things for the liver complaint-we at once knew it was another visitation of Providence, and that the heavy hand affliction was again upon us."
"Looked that way, didn't it?"

P. C. A. Society, awarded on account of mation.

my forbearance in the Aunt Maria busLet tl less, and so I got her calmed down af-

tand. I argued that the poor animal din't know that he was doing wrong merciful man is merciful to his beast, ular stage of cold and other combined to the com That smoothed things over or another month."

"What happened then?"
"Well, one day I sent Tommy, down to the store for some sugar, and he took fould along for company. Now whetheit was because Jay was fond of sugr, or not, I don't know, but he came and 50 deg., but it produces no bitter but a peculiar kind of bulge on his ribs, about as big as Johnny, we concluded that the dread archer had marked another Skidmore—my name is Skidmore—for his own. The whole family took on like mad, and Mrs. Skid was about to shove the powder keg under J. G. and touch it off herself, when I pointed out it wouldn't do to desecrate our off-use to many who were so troubled. It is to many who were so troubled. It is not some time since I have pring's tomb in that way. So I just ad the burial service read over the lion and tied crape around his neck for thirdays. How does that strike you?"

week I actually missed the old lady counteracts to a certain extent.

| I looked around for her for a | It seems to me that some of our mple of days, when somehow of a sud-tific gentlemen might take hold of this all sorter intentioned where she was. matter here and help us out at once. as possible—don't you see? We the animal all decorated with flowand things, as fine as you please. RAL will kindly publish them.
ks said it was the touchingest thing
W. N. TIVY. t ever took place in them parts, the bereaved husband sighed heavi

Don't wonder you want to sell the

AN INTELLIGENT REPTILE.

other day," said an old farmer who ing it the better will be the results. came into the Appeal office yesterday. "You don't mind an item with a snake in it, do you?" Hearing no reply, the old man continued: "Last Tuesday I was coming down from the lake with my little girl, when I stopped the horse and got out to take a drink at a spring, my bottle having given out. While I was drinking the horse got frightened and dashed down the road with the child in the wagon. I only had twelve girls, sir, and wouldn't spoil the set for worlds. Well, I gave up the horse and child for lost, but I followed them up, and presently found the horse right on the edge of a precipice, at a dead stand-'You don't mind an item with a snake and presently found the force right of the selection of the edge of a precipice, at a dead stand-to the tip of his tail. Caught him myself when a cub. Just four years old self when a cub. Just four years old caught round his fetlock and one end latter, must be so constructed that no air self when a cub. Just four years old to-merrow."

"Hum—good appetite?"

"Appetite? Great Scott! Appetite! well, I should smile—that's just the point—that's just why I'm parting with Jay—I call him Jay Gould because he takes everything in. If it wasn't for his appetite and the queer little things it makes him do, I wouldn't part with Gould for a fortune."

"Savage, eh?"

"Well, no; I don't know as I should call Jay savage, exactly—sorter nibblish though, may be. Has a kinder habt of gnawing up things, so to speak. In fact the neighbors—I live up at Bladder's Peak—have gotten to be so fussy and particular of late that I can't so much as unchain J. G. for a little fresh air without their getting grumpey over it."

"There's no pleasing some people," said the hipodromer.

"Jould say not. Now, f'rinstance, but the point safer Jay got to be seed for little that a cond and solve that a strap had aloc caught round a tree. I went to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to pull on the strap, and I jumped about to wash to wash olding and absolutely pure. These desiderative conditions I never secured until I conceived the horse's leg and his neck was traped three times around a sapling and absolutely pure. These desiderative conditions I never secured until I conceived the horse's leg and his neck was turned three times around there. A few purposes enumerated, that I could saw le



Bitter Butter.

bing and false teeth for a day or two, look strange, that amongst the countless butter makers of the past, none have thing. ascertained to a certainty the precise conductor of heat, hence, was a poor insula cause of bitter butter, or, if they have, tor. This led me to seek a material that was man, thoughtfully.

"Exactly. My wife took on dreadfulnever made it public, that others might be took on dreadfulnever made it public. avoid its make and the loss it incurs in sonly suffered a good deal as it was, and hat as most likely he'd catch rheumaism and things from the remains, we'd etter call it square."

The law of demand and supply, which is only limited by the supernatural, soon supplied me with what I required quand the demand for such insterial was at once great, and has been, and still is etter call it square." wen, sue kinder got reconciled after awhile, especially as Jay seemed fond of playing with the children. One morning soon after that my wife's mother—whole family lived with me, you see—didn't come down to break-last. As all her false hair was begging a winter product. I consider that was supplied for insulating partitions, clusively a winter product. I consider that was supplied for insulating partitions, and in hot climates as well as in cold, it is luxurious.

Even with the good and suitable material that was supplied for insulating partitions, ceilings, walls and floors, no practicable and the constant of the c cause poor butter to be made, and should be avoided. On being satisfied it was expected by a winter product, I concluded method was known of making close joints in the material, the best of which is called constitutions, and Gould crawled that amongst Wisconsin dairymen; fany to make the material, the best of which is called constitutions. theesay on the subject to which the sulating chambers, regardless of the ther

To my mind some communications in ternal air. "Well, as you may suppose, the old lady—that's my wife— pranced around a good deal then, and got down the breech-loader right away. But just then arrived a gold medal from the S. P. C. A. Sciette waveded on account of the property of the state of the property of the pro of Lyndon, Ill., and Wildredge, of Indi-ana, give useless and confirming infor-buildings located in cold climates, in the con-

Let this matter be followed up care-Let this matter be followed up care-fully and by next winter the RURAL chasing in deep worn ruts, until of late, in "Pacified her, eh?"

"Yes: I managed to arrange a representation of pets, and interpreted and all that, you underland. I argued that the poor animal "largued that the poor animal" and by next winter the RURAL was always awful fond of pets, and interpreted and all that, you underland. I argued that the poor animal "largued that the poor animal" and by next winter the RURAL was in deep worn rats, until of late, in all their attempts at insulating buildings. They overlooked the cardinal characteristic in all good and efficient, wall-insultion, viz., absolute closeness.

Fabulous sums of money have been wasted in material and labor in fatile attempts at insulating buildings. They are the chasing in deep worn rats, until of late, in their attempts at insulating buildings. They are the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, until of late, in all whom a sum of the chasing in deep worn rats, and the chasing in the

ular stage of cold and other combination produces it. Is the acid alcohol or whatever it may be, found in the milk, the equally, if not more important, has been and

The temperature in some of the suband 50 deg., but it produces no bitter but-ter so that it would seem that it requires

use to many who were so troubled. It may be important to add here, I have found heavy feeders, especially of corn. or corn-fodder had most bitter butter. "After that you kept the animal chained?"

"Well, no. The fact is I set out to get a chain several times, but one thing and another prevented, until one day last work I set out to last work I set out to the cows, or in the cream,

It seems to me that some of our scien

I gave Gould about half a pound of emetie right away, but all we could get out of him was a pair of high heeled shoes and a chest protector. It was too lake—too late! We put the shoes and things in a coffin, and had Jay led behind the hearse to the cemetery. Want—to have as much of the corpse presta spossible—don't you see? We the animal all decorated with flow—and things, as fine as you please. RAL will kindly publish them.

Churning Cream.

The question which yields best butter, sweet 't wonder you want to sell the remarked the menagerie man, pause.

't wonder you want to sell the or sour, is thus spoken of by O. S. Bliss secretary of the Vermont Dairymen's Association: "It seems to me that in this, as in Well, I sorter do, and I sorter don't," most other cases, the old proverb, "safety
Mr. Skidmore, abstractedly. lies in a middle course," is appropriate. That
elering around I memories and things the aroma of butter, which goes very far to sering around J. G.—seems kinder establish its selling value among the best eparting with one's family burying class of customers, is due to a certain amount as it were. On the other hand, longh, now that the old lady is gone, I ter feel as if the insect had—well, auppose I just have this box hauled build to your show after the performetath is afternoon, and see if we can't take a bargain." churned slowly; the butter granulates are then separated from the milk by the use of perhaps I can work him off for big hey to some of the Mormon elders."

They to a very considerable elters, They are churned slowly; the butter granulates are then separated from the milk by the use of selvers, and the manager. They are churned slowly; the butter granulates are then separated from the milk by the use of selvers, and the manager. They are churned slowly; the butter granulates are then separated from the milk by the use of selvers, and the selvers are then separated from the milk by the use of selvers, and the selvers are then separated from the milk by the use of selvers, and the selvers are then separated from the milk by the use of selvers.

The other morning while Mr. Cole, the proprietor of the approaching circus and menagerie of that name, was customer to family pet," said the other earnestly.

And after striking the circus proprietor of the approaching circus and menagerie of that name, was shouldered his umbrella and drifted shouldered his tother earnest and the secured; and that on the other hand, the severe shouldered his tother than the steps of that the cream process is only adapted to small establishments, where the more strongly delivered to the most unremitting efforts the control of the sub-level of th picking his teeth on the steps of that sadly down street.—San Franciso Post, hand, the souring should not be permitted to go beyond the first stages before the cream is churned. I do not believe sweet cream "I want to tell you how my child's butter making will ever be popular or profita-life was saved up in the mountains the nearer we can get to it without actually adopt-

Milk Houses.

experiments aiming at perfect insulation, testing almost all kinds of filling-in material in the chambers in the walls, etc., I finally discovered that a chamber or space simply filled with dry air was the only practica non-conductor and insulator yet discovered Bitter Butter.

EDITOR RURAL WORLD: Does it not however dry it might be when confined with-

product. Ragweed, unventilated milk, rooms or cellars, unclean vessels, etc., as learned that even in the construction of or some communications in your paper dinary dwellings, the insulation described

where, its cause could be found. I offered and we are now able to construct an abso a reward for the same at the Wisconsin lutely close appartment or building, by State Fair, but to my surprise found that which, and a practicable method of obtaining which, and a practicable method of obtaining reward was given was positively useless. mal, or the hygrometric condition of the ex

This was conceded to be a grand and un precedented achievement, and an inestimable one as well, for it has already saved 40 or 50 struction of which thorough insulation has been applied. Architects and builders every-

The question seems to be what partic- insulate ice-houses and other buildings, by is still un-heeded, because it is unknown, in

the construction of insulated buildings. I refer to the silly practice of omitting the merged plans ranges. I think, between 40 dations are not insulated, frozen earth lying it off to the rapidly conducting frozen earth and will dissipate heat, so valuable, and so expensive to generate, that proper insulation will effectually prevent. The highest tem-perature in the air of a heated building will continually find its way by conductivity and natural diffusion, and by the circulation in the confined atmosphere, to the upper ceiling, and if insulation is there omitted, the waste of fuel for maintaining a comfortable temperature in the building will be many fold greater than those who have not inves-tigated the subject can be made to believe.

The material required for insulating buildings is not so expensive but that it is worth. when properly applied, many fold its cos and its application does not involve skilled labor. A common laborer of average judg-ment, if he will be faithful, can apply it as well as a carpenter.

LAND PLASTER AS A FERTILIZER, AIDS THE GROWTH

Every Kind of Crop, and all Kinds of VEGETATION.

Pamphlet containing full information, sent free by mail t and farmer a ho takes interest chough in this subject to send me his name and Post-office address. A. W. HEEMANN, No. 206 & 208 S with 5rd arrest St. Louis, 500. 24 13

FRAZER AXLE GREASE. STY Package has our ly Wally and b



GOLD MEDAL AWARDED the Author A new and great Medical Work, warranted the best and cheapest, indis the best and cheapest, indis
pensable to over; man, enittled "the Science of Life or,
Self Preservation;" bon d
in flest Fresch muslin, emby sed, full gills, 300 pp. contains beautiful steel engrav

INDUSTRIPED only 31 25 sept by mail, illus

Interest and cheapest, indis
pensable of the pensable of the pensable only and the pensable of th

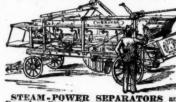
traied semple, 6 cents; send now, Address Pea-body Medical institute or Dr. W. H. PARKER No. 4 Buifinch et. Boston 24-53

Osage Orange Heige Plants for low prices.

NICHOLS SHEPARD & CO Battle Creek, Michigan,

THRESHERS, Traction and Plain Engines and Horse-Powers. plete Thresher Factory | Established





STEAM - POWER SEPARATORS and supplete Steam Outfits of matchiese qualities, mass Traction Engines and Plain Engines are seen in the American market.

I multimate of special features and improvements 1881, together with superior qualities in construction and materials not dreamed of by ether makers four sizes of Separators, from 6 to 12 horse watch, for steam or horse power.

capacity, for steam or horse power.
Two styles of "Mounted" Horse-Powers.
7,500,000 Feet of Selected Lumber
Ombres to six years six-dried;
constantly on hand, from which is built the incomparable wood-wurk of our machinery.



NICHOLS, SHEPARD & CO.

NOYES' HAYING TOOLS

Wind Engine & Pump Co., Batavia. Ill-EVERY FARMER WANTS WEIGHT ONLY IOO LBS. TO BEA

FITS ANY WAGON BOX. To use and sell the

McCallum Combined Rack and Top Box Only \$10. Send stamp for circular. J. W. McCALLUM & BROS. MFG. CO.,

88 W. Lake street, Chicago, Ill.

10-13-eow

FIRE PAINT DEALERS FOR IT. PROOF

It is a first-class paint, with linseed oil, zinc, pure lead, or from for a base: without aduleration. The above combined with chemicals renders wood absolutely proof against the beginnings of fire as started by sparks, cinders, burning shavings, kerosense oil, etc. A house or a block of houses painted in all their parts with this paint would be as fe from fire within themselves. Manf'd solely by the CHICAGO FIRE PROOF PAINT CO., 116 & 118 Franklin St., Chicago, Ills.

14-4-00W IMPROVED HOWE

The Best Made. FCatalogue sent FREE on BORDEN, SELLECK & CO., Gen. Agts. ame this paper. Chicago, St. Louis, Cleve Mention this paper

HOW TO MAKE MONEY!

Act as Our-Agent. PARTICULARS BY MAIL FREE.



The Manny & Bauer Mfg Co

Cor. Third & Lombard Sts., St. Louis, Mo, Manufacture Buckeye and Manny Sulky Rakes, Horizontal and Vertical Cane Mills, Cook's Evaporators, Improved etc. 12-tf

TIMKEN SPRING VEHICLES,



Are now use i by thousands all over the coun try with the greatest satisfaction. They wear onger and ride easier, and bear a greater and nore sudden strain, and are better adapted to the country, as well as city roads, than any other. . They are manufactured by all carriage Build-HENRY TIMKEN Patentee. St. Louis, Mo

170 a week. \$19 a day at home easily ma 112 Costly outlit free. Address True & C Augusta, Maine.

50 Lithographed Chromos, with name, by re-turn mail, loc. Seavy Bros Forthfold, Ct. 60 Frefumel Chromo, de. Carle, name on, 10a, 42 Mixed Carle
fine Freicht Kaife, Ste. Anisegraph Album, 20a. Canas Aut
laie. 25 Fun Carde, 10a.
11-25-60 W 50 New Style Chromo Cards, no 2 alike, 106 GLOBE CARD CO., Northford, Ct. 106 50 All Gold Chromo & Lit'g. Cards, no 2 alike.
Conn. 10c. Clinton Br s. Clintonville,
34-16-cow

M. KIELY & CO.

FRUIT AND PRODUCE

COMMISSION MERCHANTS

612 N. Fifth Street, St. Louis, Mo.

Fruits in their Season a Specialty. Weoffer to shippers 12 years experience, prompiness and the best location in the city. Market reports, stencil plates, &c., free on application Refers to Editor Enral World.

The Stubbs Evaporator.



This pan can be run with less labor than others of the same capacity, the scum being all taken off with a scraper. The reat is regulated with two dampers, making an even flow under the finishing division of the pan, thus ensbling the operator to withdraw the heat at any accoment—an important point in making sogar. As this is the oly san talked of where it is known, agents would do well to investigate at once. Send for circular to agents would do well to investigate would do well to investigate send for circular to CHEL TIAN, ORVIS & STUBBS,

2 9 Wa hington avenue North,
Minneapolis, Minn.

THE ONLY MEDICINE That Acts at the Same Time on THE LIVER. THE BOWELS.

and the KIDNEYS. e great organs are the natural cleans the system. If they work well, health be perfect: if they become clogged bul diseases are sure to follow with

TERRIBLE SUFFERING. dice, Constipation and Piles, or Kid-

Sediment in the Urine, Milky or Ropy Urine; or Rheumatic Pains and Aches, loped because the blood is poisoned humors that should have been naturally.

ney Complaints, Gravel, Diabetes,

KIDNEY-WORT

rill restore the healthy action and all these eatroying evils will be banished; neglect hem and you will live but to suffer. Thousands have been cured. Try it and you rill add one more to the number. Take it and health will once more gladden your heart. and health will observe the torment of an aching back?
Why surfer longer from the torment of an aching back?
Why bear such distress from Constitution and Piles?
Why be so fearful because of disordered urine?

KIDNEY-WORT will cure you. Try a pack age at once and be satisfied.

It is a dry vegetable compound and One Package makes six quarts of Medicine. Your Druggist has it, or will get it for ou. Insist upon having it. Price, \$1.00. WELLS, RICHARDSON & CO., Proprietors,

(Will send post paid.) Burlington, Vt.

(Will send post paid.)

Kidney-Wort already prepared, the proprietors of this celebrated remedy now pre rateors of this celebrated remain now parameter it in liquid form as well as dry. It is say concentrated, is put up in large bottles, and is equally efficient as that put up dry in in cans. It saves the necessity of preparing, is always ready, and is more easily taken by ple. Price, \$1 per bottle.

LIQUID AND DRY SOLD BY DEUGGISTS. WELLS, RICHARDSON & CO., Prop'rs,

★本本書の本の書の書の書の書の書の書の書





Thomas Smoothing Harrow!

It carried off highest premium over all competitors at the great Centennial exhibi-The best harrow for pulverizing the

ground.

The best harrow for preparing the soil for grass or other seeds.

The best harrow for covering seed.

The best harrow for cultivating winter
wheat in the spring, adding largely to the

wheat in the spring, studing largely to the yield.

The best harrow for cultivating young corn or potatoes, as it thoroughly destroys the weeds.

The teeth being made of solid steel av slanting backwards, and thus never clogging, do not tear up corn or potato plants but destroy all the light-rooted weeds.

Every farmer should have it. Send for illustrated circular to the manufacturer's southwestern agent,

CHAS. E. PRUNTY.

Dealer in grain and grass seeds. 301 & 308 North Commercial street, St. Louis, Mo. 71-15

21-tf

Oanvassers make from \$25 to \$50 per week sell ag goods for E. G. Rideout & Co., 10 Barolay it. New York, Send for catalogue and terms \$24.85

Breeders' Directory

For the convenience of many breeders who do not wish to insert large advertisements, we will insert cards in this column at reasonable rates which will be given on application.

H. RUSSELL, Fayetteville, Johnson county, Mo., breeder of Poland-China swine.

Prices reasonable. Correspondence solicited.

AMUEL JENETT, Independence, Mo., importer and breeder of recistered American Merino sheep. Satisfaction guaranteed to pur chasers.

H ALLEN, Breeder of Thoroughbred Short-horn cattle, Cotswold sheep, Berkshire hogs, Bronze turkeys and Light Brahma fowls. Allendaic Stock Farm O'Fallon, St. Charles county, Mo.

V. P. Block, Aberdeen, Pike county, Mo., breeds and has for sale pure and light-bree Percheron stallions and mares by imported Napoleon Bonaparte, champion Almack trotters, pure Jerseys, Short-born cattle and Berkshire pigs. Send for catalogues.

CHARLES G MCHATTON. Agent, Fulton, Mo. Breeder of pure Berkshires from Imported and registered stock; winners of 36 class and 9 sweepstakes premiums. Othello's Sambe VII (3379) imported, at head of herd: also pure logisis toot woles, Stock for sale at refuces the Correspondence solicited.

SHEEP For marking Cattle, Sheep, Swine. Price and samples free, Argais wanted, Address.
19-13 C. H. DANA. West Labanon, N. H.

KENTUCKY

JULY, 27, 28 and 29, '81.

THE HAMILTONS, of Mt. Sterling, Ky., will ell from their Flat Creek Herd, on Wednesday, July 27th, 65 head, the choice of the r breeding, is cluding twenty the Bates animals of the Kirk-terington Place, Hart and Ruby Duchess families, aired by 14th Duke of Thorndale 827, 4th Duke of Geneva 17:0, imp. Grand Duke of Geneva 251 und the pure fastes Bull Barrington Juke 8 29; use 10 Flat treek Marya, 10 choice Young hulls.

THURSDAY, JULY 28th, Vanmeter & Hamton will sell at stock Place, winchester, Ky., 35 nead of extra fine individual about horns of the families which they are breeding including 15 very choice females of their Renick Rose of Sharon, from which family they have never of-creef a female before—also five er six termses f Mr. B. F. Vanmeter's celebrated Red Rose or Mary Best branchof the Youn Mary 'emily, tog ther with a sumber of very highly had Bates opp ed Young Marys. Josephines and Thyllists, and a few extra choice young bulls.

The entire sale comprises only first class animals. both in individual merit and pedigree. They are considered by the firm as much superior to any selection they have heretofor coffored. FRIDAY, JULY 29 h. J. Volrey Mair, J. C. ary and L. Ed. Pearce will sell their entire end and the surbon Co., Ky., numbering 49 head, including highly Bates topped 'Dragga, Gwynnes, Surmies I uchesse, Young Marys, Harries. White Roses, !

Catalogues ready by June 15th.

CHAS. GALLE'S

ombination tock Mark. (Patent applied;for).

A & J. DORSEY

PERRY.

Pike Co., Ilis.

Very attractive, cheap and convenient to apply and detach. No two sinks in each county. Send 3-cent itemp for sample nark and circular. Prior \$150 per 100; \$1 per additional 100. 13-52-cow LHAS. GALLE, Box 51. Columbia, Boone Co., Mo.

Breeders of prize-winning Poland-Chias, Berk shire and Chester White swine, and Merino sheep. Woo 24 prizes in class and 4 sweepstakes in 1880 at Illinois State and St Louis Fairs. Breeders recorded Stock for sale. Write for what you want. Mention this paper 14-26

Poland-China Pigs

A SPECIALTY. A SPECIALTY.

G. W. Whiteside, Rock Prairie, Mo., makes
the breeding of pure Poland-Chinas a specialty
Has among his breeding stock authing but
strictly first-clas a animals, registered in Ameriean P. C. Record. Prices low down. Address
G. W. WHITESIDE,
Greenfield Dade Co.. Mo.

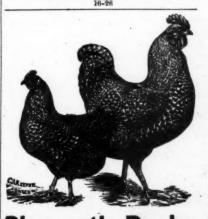
Spanish Merino

SHEEP

. BELL & SQN, Brighton, Macoupin Co., Ili. Only 25 miles from St. Louis, on the CHICA-GO, ALTON & ST. LOUIS railroad, or the ROCKFORD, ROCK ISLAND & ST. LOUIS railroad. Cheice ewes and Tains, by wholesals or retail, at reasonable prices.

JUHN B. DLI III AND TRACK HORSE AND TRACK HORSE AND HORSE AND TRACK HORSE AND HORSE AN





Plymouth Rocks

A rew pairs or tries of choice Plymouth Rock towls for sale. Also eggs from choice breeding stock at 82 per setting of 13 Address COLMAN'S RURAL WORLD, St. Louis, Mo.



I offer for sale a large number of Light Brahmas Partriage C chuns, Ply-mouth Rocks, White Leg-horns, Aylesbury Ducks, &c. Eggs nut up to go asfely after March let Es-tablished 1871. Circular fr.e. G. W. PLEASANTS Wright City, Mo. 5 tt

From Southwest Missouri.

Col. Colman: I will drop you a few line from Jasper Co., Mo. Last winter you published the sales of stock sold at the National yards, also the name and place of the party shipping and the price each one received, but for some time you have failed to do so. I do not know what interest others may have had in that one little column, but to me it alone was worth the full price of your paper. It enabled stock men to see just what price shippers got for their stock, the name of shippers, and where the best grade of stock came from, and none of us are so small and penurious as not to be willing to allow the shipper a fair profit, and that is all he should ask. Jasper county never looked better. Farmers are all doing well, and no grum bling. Harvesting just begun. Wheat will be an average crop, take the county over; as I have been over three-fourths of the county within the last two weeks,I know what I say. Farmers had trouble with their seed corn not coming up well this spring, hence a great deal of second planting, and it is small yet This should be a lesson for farmers to re member and save their seed corn in the fall All other crops in the county look well, but as we had no spring this year, old winter leaped right into the lap of summer. Every one is still behind with spring work, consequently there will not be as much improvement done on the farms this year as there would have been otherwise. All kinds of clock free. stock bear a good price. Land is advancing and a great deal changing hands, except in the northeast portion of our county, where you can scarcely find a farmer that wants to sell his farm at all. They are all satisfied to stay where they are, and well they may be. For take the north and east part of Jasper Co., a part of Barton, Dade and Lawrance that every State in the Union will enact such counties, and there is a larger body of good land than in any other part of Missouri that margarine frauds. I have been in. The southwest portion of Jasper Co. is still producing immense quantities of lead and zine ore, and take the county over we have a prosperous people, everybody happy.

The sheep interest is growing rapidly in oring matter or sage, but into which any anithis county, and while we are not getting as mal intestinal, or offal fats, or any oils or fats of any kind whatsoever not produced from milk or cream, or into which melted butter lard or tallow shall be introduced, shall add good prices for our wool as last year, yet the the present prices pay us well, I know from experience as I have six hundred sheep. So thereto or combine therewith any annatto or or compounds of the same, or any other submuch then for the county. stance or substances whatsoever, for the pur-pose or with the effect of imparting thereto a

As for Carthage, the county seat the (queen city of the southwest) it is improving very fast. The branch of the Mo. Paciffic R. R. of the same) butter or cheese; nor shall they starting at Pleasant Hill, and running south through the center of the border tier of articles of which the same is composed. counties, and passing through this place, has given a new to impetus the town. We have good gas works and are now erecting water works in the city. The manufacturing interest has just begun anew—situated on the the first section of this act, and known as south side of Spring river having abundance er for all purposes, there is no imitation cheese; and no keeper of any ho-Spring river is a beautiful tel, restaurant, boarding house or any other of water power for all purposes, there is no as crystal and as healthful as ceyne.

place of public entertainment shall keep, use or serve, either as food for their guests or for the well of St. Keyne.

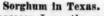
I have just returned from a trip through cooking purposes, any such imitation butter the counties of Bates, Vernon, Barton and or cheese which shall contain any of the color-Jasper. They are filling up rapidly, and the towns of Butler, Rich Hill, Nevada, Lamar contrary to the provisions of this act. and Carthage, are undoubtedly the best towns of their size and more improvements ago the immigrants would pass through these counties for Kansas; now they are coming back and many of them locating here. found out their mistake after so long a time. Twelve years ago I came west landed at Brownsville, Nebraska, and have lived and "imitation cheese" shall be plainly stencilled, Brownsville, Nebraska, and have lived and "imitation cheese" shall be plainly stencilled, sojourned in nearly all of the border tier of in plain Roman letters at least one inch in I would say to all coming west not to be satsides of each and every cheese, and also upon
isfied until they see this portion of the
State. It is true what may be pleasing to some may be obnoxious to others, but taking and with paint as before mentioned and deall things into consideration I believe that southwest Mo. is the favored land, and if we are only industrious, peace and plenty will lie at every man's door. But I forget myself; it is short letters you want. Well excuse me this time; I will be more brief in my next letter-if this one is of any consequence. I hope to meet you sometime in Carthage for I know you would enjoy a visit to this place. The last and only time I met you was at Nevada, Vernon Co. I kept a hotel at the time, and you made some remarks about a landlord of a hotel taking the RUBAL WORLD, but I found it was read more than any one paper I kept on my table, and by men you would think it would not interest; and no landlord, I care not where the hotel may be located, could spend \$1 00 in any way that would benefit the public more, or add more to the entertainment of his guests, than to furnish them with the RUBAL WORLD to read. I have taken it since that time and when I poor, or if the poor of such town are support I have taken it since that time and when the get through with it, it goes on file or is sent to some friend in the east, who is always paid to the officer or officers having charge of the poor fund of the county in which said of the poor fund of the support of anxious to read it. Now wishing you and the RURAL WORLD many years of life and prosperity. I am yours truly,

JOHN DERMOTT.

Carthage, Jasper Co., Mo. June 10, 1881.

Rescued from Death.

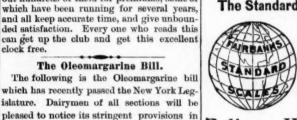
The following statement of William J Coughlin, of Somerville, Mass., is so remarkable that we beg to ask for it the attention of our readers. He says: In the fall of 1876 I was taken with a violent bleeding of the lungs followed by a severe cough. I soon began to lose my appetite and flesh. I was so weak at one time that I could not leave my bed. In the summer of 1877 I was admitted to the City Hospital. While there, the doctors said I had a hole in my left lung as big as a half dollar. I expended over a hundred dollars in doctors and medicines. I was so far gone at one time a report went around I was dead. I gave up hope, but a friend told me of DR. WILLIAM HALL'S BALSAM



COL. COLMAN: I saw the proceedings of the Cane Growers' Convention and became interested in sorgo. I wrote to Henry B. Richards of LaGrange, Texas, and procured seed of the Early Amber and the Early Orange varieties. The Early Amber is now nearly ready for the mill, while the Early Orange will be later by three weeks and was planted the same day, viz: March 25th. The Parly Orange has produced much the argest canes, and the juice from it seems sweeter than from the Early Amber. When I grind the cane, I will report further through the RURAL WORLD. C. CARSNER. Victoria, Texas.

The Daphne odorata will not often bloom until three years old or upwards. It should bloom in the winter, and a little liquid manure, or, better still, waterings with ammoni and water, will force its flowers. Put a table spoonful of spirits of ammonia into a gallon of hot water, and sprinkle the whole plant with it. It is an excellent fertilizer for all

The Standard of the World.



This beautiful clock, an ornament to any

oom in cottage or mansion, is given as a

premium to any one who sends us twelve

out hundreds of them for premiums; some of

The Oleomargarine Bill.

the protection of one of the most important

industries of the nation. It is to be hoped

legislation as shall prevent any further oleo-

Section 1. No person, persons, firm or cor-

poration manufacturing any article or sub-

stance in semblance of natural butter or

natural choese not the legitimate product of

the dairy, and not made exclusively from

milk or cream, or both, with or without col-

color resembling that of yellow (or any shade

introduce said colored matter into any of the

away any article or substance in semblance of natural butter or natural cheese described in

oleomargarine or imitation butter and lard or

Sec. 3. No person, persons, firm or corporation shall manufacture, deal in, sell or expose

kind whatsoever not produced from milk or

erms "natural butter" and "natural cheese"

shall be understood to mean the products

with or without coloring matter or sage.

of not less than fifty dollars (\$50) or more

than \$200, or by imprisonment in the county

iail for no less than ten or more than thirt;

days, or by such fine and imprisonment for

each and every offence, in the discretion of the court, one-half of such fine to be paid to

the complainant, the other half to be paid to the officer or officers having charge of the

poor fund of the town, for the support of the

town is located, to be used for the support of

Sec. 6. This act shall take effect on the fifteenth day of July, eighteen hundred and

Col Colman: We have engaged Col. J. W. Judy, to cry our sale instead of Col. Muir. Please correct in your next issue. Yours truly, A. C. Jennings & Co.

Muck.-This valuable material for the barn-

It may be drawn out into a heap near

yard, stable and compose heap, can be dug with the greatest ease and profit at this sea-

by, with a team and a dump scraper, where it

to the place where it is to be used.

an get dried out, and afterwards be drawn

There is a diversity of opinion among the farmers of the state, in regard to the pro-

URBANA, O. June 20th, 1881

the poor of such county.

eighty-one.



The Strongest Mills Made.

SAFEST TO BUY

Because warranted the best (same as Scales) an warrantee is substantial. Contain all improvements. Prices lowest, quality considered. Sea or catalogue describing article wanted.

FAIRBANKS & CO.,

302 & 304 Washington Avenue, St. Louis, Mo AGENTS FOR

THE HANCOCK INSPIRATOR

THE BEST BOILER FEEDER KNOWN.

ZIMMERMAN FRUIT AND VEGETABLE DRYER & BAKE OVEN Over II,000 in use. The BEST in the Market, Made entirely of Galvanized Iron AGENTS WANTED. d for Circular. Address IMMERMAN FRUIT DRYER CO.,

Cincinnati, Ohio. 23-2

AGENTS WANTED-LIFE AND ADVEN TURES OF FRANK AND JESSE JAMES AND YOUNGER BROS

The noted Western Outlaws By Hon. J. A. Dacus, Ph.D., A true and thrilling account (instructed) of their bold operations for 15 years in 20 states and Territories, baffling detectives and officials of the law Best selting Book of the year; 50 000 sold in 9 months; 50 cents for outfit \$1 50 for sample copy Liberal terms to agents THOMPSON & CO., Publishers, 520 Pine street St. Louis, Mo. CAT. LOUIS LAW SCHOOL, Lay Dep

of Washington University. 15th An ami Term con mences Wednesday Oct. 12.751. Course of study to mences Wednesday Oct. 12.751. Course of study to must Terms. seven months each. Students admitted penior class on examination. Tuition 80 per term oextres. Address HERRY HITCHCOCK, St. Louis, M.

Sharpless, Longfellow and Warren Sec. 4. For the purposes of this act the fifty con sper dozen or \$3 per hundred. Address "natural butter" and "natural cheese" COLMAN'S NURSERY.

usually known by these names, and which are manufactured exclusively from milk or Young Short Horn Bulls. ream, or both, with salt and rennet, and The undersigned has two young Short-Horn Bulls for sale. Both five fellows. Deep red in

Sec. 5. Every person, firm or corporation violating the provisions of this act shall be color, and low, broad and blockey. J. H. ALLISON. deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine Butler, Bates Co., Mo. 21/2 miles west of town

E. T. Hollister & Co.,

Fruit and Produce

Commission Merchants, 805 and 807 Broadway, St. Louis, Me,

For Sale Jersey bull No.1811, A. J. C. C. LUCIEN E. CLEWENT, Greenville 131.

Trotting Stallions

Will stand at the stables of the St. Louis Nur-sery on the Olive street road, five miles west of St. Louis Court House, for the season of 1881, the following stallions: SETH WARNER.

by the famous Ethan Allen, who trotted in double karness and beat Dexier in three straight heats, in 2:15, 2:16 and 2:19. Dam the equally famous old mare, Sontag, by Harris' Hambletonian, he by Bishop's Hambletovion, son of imported Messinger. Sontag hauled three hundred pounds to wagon and beat Flora Tomple in 2:31. Seth Warner is a flae specimen of the park norse, being sexteen hands high, and one of the floest formed and most stylish tr tring stallions in the country. Though never regularly trained, he has showed better than 2:39, and is a remarkably level-headed, easy-gaited trower.

me of DR. WILLIAM HALL'S BALSAM FOR THE LUNGS. I laughed at my friends, thinking that my case was incurable, but I got a bottle to satisfy them, when to my surprise and gratification I commenced to feel better. My hope, once dead, began to revive, and to day I feel in better spirits than I have the past three years.

"I write this hoping you will publish it, so that every one afflicted with Diseased Lungs will be induced to take DR. WM. HALL'S BALSAM FOR THE LUNGS, and be convinced that CONSUMPTION CAN BE CURED. I have taken two bottles and can pogisively say that it had done more good than sell the other medicines I have taken since my sickness. My cough has almost entirely disappeared and I shall soon be able to the shall soon be able to the shall soon be able to over 165,000 Howe Scales have been sold. Send for catalogue to Borden, Selleck & Co., general agents, St. Louis, Mo.

The same of the probability of hilling up potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that when potatoes during their cultivation. Our experience is, that the potatories and and even then if planted deep and even then if planted deep and the land thoroughly ploughed to the prevent and the land thoroughly plou



THE

And Cheapest Portable Steam Engine. THRESHING PURPOSES.

SUGAR CANE MACHINERY.

Our Sugar Cane Machinery comprises the largest and most complete line of Cane Mills, etc., made by any establishment in the World, and includes: VERTICAL CANE MILLS

HORIZONTAL CANE MILLS
Herse Power, and Steam, SUGAR EVAPORATORS,

STEAM SUGAR MACHINERY, and all apparatus for Syrup or Sugar making. Circulars, with prices, &c., sent on application.

CINCINNATI, O.

Sugar Machinery, Niles Cane Mille, Victo s, Cook Evaporator, Steam Engines, etc. 17-ensr-1f

THE IMPROVED EVAPORATORS

SYRUP AND

with less fuel and labor than any other appara-tus. Will condense loghum juice faster than any evaporator in use, and consequently make lighter syrup and white sugar. Send for descriptive circular of evaporators, cane mills, etc. Agents wanted.

VERMONT FARM MACHINE COMPANY, Bellows Falls, Vt.

PARKER'S GINGER TONIC Ginger, Buchu, Mandrake, Stillingia and many other of the best medicines known are com-bined so skilfully in PARKER'S GINGER TONIC as to make it the greatest Blood Purifier and the est Health and Strength Bestorer ever used

Best Health and Strength Restorer ever used. It cures Dyspepsia, Rheumstism, Neursligia, Sleeplessness, and all diseases of the Stomach, Bowels, Lungs, Liver, Kidneys, Urinary Organs and all Female Complaints.

If you are wasting away with Consumption or any disease use the Tonic to-day. No matter what your symptoms may be, it will surely help you. Remember! This Tonic cure drunkenness, is the B-st Family Medicine ever dade, entirely different from Bitters, Ginger Preparations and other Tonics, and combines the best curative properties of all. Buy _ 3cc. bottle of wour druggist. None genuine without our signature on outside wrapper. Hiscox & Co., Chemists, New York.

PARKER'S HAIR BALSAM The Des and Cook of



Terts, wagon covers, tarpaulins, awnings, hamm.cks, folding camp chairs and camp stools: feed bage, olied clothing, rubber coats, blankets, nonchos, etc. Psuline for covering machines, hay and grain stack; 11x24 with ten metal eyelets in each, \$7; 12x20, \$5: all other sizes in same stip. same ratio.
STEMME, SANDERS & CO..
No 4 South Commercial street,
St Louis, Mo.

Send for illustrated catalogue.



carriages, etc. Proects buildings from
fire, and trees, vines,
etc, from insects, potato bugs and canker
worms. No dwelling, country

nome or factory should be without the Foun-be without the Foun-25-6 J. A. WHITMAN.

Paten ee and Manufacturer, Providence, R. I. Dairy Farm and Milk

Route For Sale Cheap,

within a mile of city of 8000, which is now growing having three railroads, good stock range. A No 1 Barn 4029, good house of 5 rooms 6 series highly cultivated rich well, two large cisterns with pumps. Milk sold for cash. Place sold at cost of bulldlars. Satisfactory reasons. Haif cash if desired Milk business thrown in. Address, D. A. PRESTON, Joplin, Mo. 24-1

Drury College,

Springfield, Mo. colicits patronage on these grounds: Completeness of equipment, thoroughness of training earnest religious character economy in expenses, healthfulness of location.

College and preparatory school under one man agement. Open alike to both sexes. Advantages for the start of music and art are of a high order. Tuition to candidates for the ministry and commonly to the children of ministers, free. Send for Catalogue to Rev N. J. Morrison, D. D. President.

Strawberry - Raspberry, Blackberry and Currant plants for sale at reasonable prices; all the leading varieties. 8-th SAMUEL MILLER, Blufton, Mo.

FOR SALE.

Edgewood Stock Farm of 160 acres; also 22 shoice Jerseys, mostly imported. Address by nostla, for full description and prices.

M-1 S. STRATTON, Litonfield, fil.

ORGANS \$30 to \$1000; 2 to 52 stops. Planos, Paper free. Address DANIEL F. BEATTY, Washington, N. J. 45-52 \$66 a week in your own town. Terms and \$5 outfit free. Address H. Hallett & Co., Portland, Maine.

50 varieties French chromo, satin, pearl finished &c., cards, name in gold. 10c, Card Mills Northford, Ct.

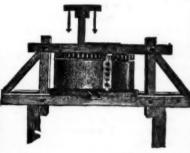
Kingsland&Ferguson Manufacturing Co.

Our mills are horizontal and have all late im-provements for saving all the junce, and doing peedy work. We make four sizes.

Dixie Evaporators, Either galvanized from or copper pans, with or without portable furnace; also fixtures for brick or stone arch. **Send for circular. Kingsland & Ferguson Mfg. Co.,

ST. LOUIS. THE BEST "WO ROLLER CANE MILL IN THE WORLD.

BLYMYER MANUFACTURING CO And Cheapest and Fastest.



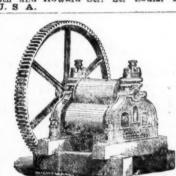
Juice capacity.
60 Gallons. Price. 1. Mill \$40,00 2. 60 00 3. Double Mill \$85 and for Catalogue. Address

A DEMARCE, FAIRFIELD, IOWA.



STAR CANE MILL. Grinds twice as fast douderinds twice as fast double the capacity chapest
Mil made, warranted in
every respect. We manufacture ten different styles
of cone mills, and a full
stack of evaporators and
ugar maker's supplies.
Send for circular to,

J. A. FIELD & CO., and Howard Str. St. Louis, Mo



SUGAR MILLS

In the World are Manufactured by GEO. L. QUIER & BRO., BUFFALO, N.Y,

Seventy different sizes. In use in all cane growing countries. Amber cane manual sent free 5 cow-ti



Bauer Mf'g Co.
ST. LOUIS, MO.
Horizontal and Vertical Cane
Mills, Cook's Evaporators Improved, Sulty Hay Rikes, Wagons, etc. na, etc.
Seed of Early Amber and
Early Orange Sugar Cane.

SCANTLIN'S SEAMLESS EVAPORA: OR



SOUTHERN" CANE MILL The best Sorgho Machinery in the market. PRICES VERY LOW.

Thos. Scantlin and Son, Manufacturers.

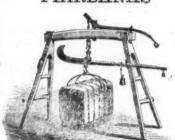
EVANSVILLE, IND.

Fairbanks' Scales

THE WORLD'S STANDARD



FAIRBANKS'



Frame, Hooks and all other required attache BUY ONLY THE GENUINE

Fairbanks' Standard. SCALES

OF EVERY DESCRIPTION

SEND FOR CIRCULAR. FAIRBANKS & CO.,

53 Camp St., New Orleans, La. Warehouses in all the leading cities of the country. Mention this paper. 14-17

THE BEST

FOR MAN AND BEAST. For more than a third of a century t Mexican Hustang Liniment has been known to millions all over the world as the only safe reliance for the relief of accidents and pain. It is a medicine above price and praise—the best of its kind. For every form of external pain

which speedily cures such aliments of the HUMAN FLESH as
Rheumatism, Swellings, Stiff
Joints, Contracted Muscles, Burns
and Scalds, Cuts, Bruises and
Sprains, Poisenous Bites and
Stings, Stiffness, Lameness, Old
Sores, Ulcers, Frostbites, Chilblains.
Sore Mipples, Caked Breast, and
indeed every form of external disease. It heals without scars.
For the BRUTE CREATION it cures
Sprains, Swinny, Stiff Joints,
Founder, Harness Sores, Hoof Diseases, Foot Rot, Serew Worm, Scab,
Hollow Horn, Scratches, Windgalls, Spavin, Thrush, Ringbone,
Old Sores, Poll Evil, Film upon
the Sight and every other ailment
to which the occupants of the
Stable and Stock Yard are liable.

to which the occupants of the Stable and Stock Yard are liable. The Mexican Mustang Lininess always cures and never disappoints and it is, positively,

THE BEST OF ALL

MANF'G CO. FISHING NETS FISHING TACKLE Trammel, hoop and bird nets always on hard. Send for price list.

C. & F. CHENOT. No. 224 South Main street. St. Louis. Kingsland & Ferguso



TRACTION AND PLAIN ENGINES

Kingsland & Ferguson Mig. Co., St. Log MENTION THI PAPER.